

Service Manual

 PIONEER®
The Art of Entertainment

TOYOTA

ORDER NO.
CRT1615

The chapter 1 of this Service Manual will not be reprinted. On your additional orders, we may supply only the chapter 2. For the chapter 1, please make copies and attach to the chapter 2 at your side if necessary.

LEXUS LS400 AUDIO SYSTEM HEAD UNIT

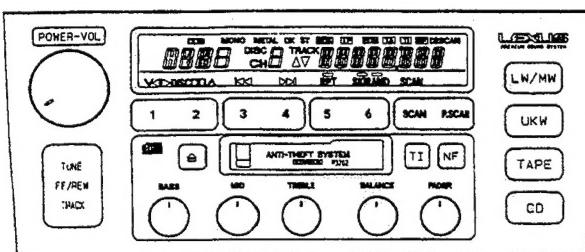
VEHICLE	DESTINATION	PRODUCED AFTER	TOYOTA PART No.	PIONEER MODEL No.
LEXUS LS400	U.S.A., CANADA	November 1994	86120-50360	KEX-P8156ZT/UC
	EUROPE		86120-50390	KEX-P8156ZT/EW
	UNITED KINGDOM		86120-50380	KEX-P8256ZT/EW
	AUSTRALIA		86120-50410	KEX-P8256ZT/AU
	HONG KONG		86120-50420	KEX-P8256ZT/ES
	MIDDLE EAST		86120-50400	KEX-P8156ZT/ES

KEX-P8256ZT, P8256ZT-91, P8156ZT, P8156ZT-91

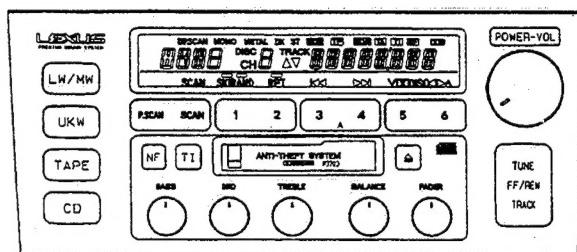
CHAPTER 1

<KEX-P8156ZT/EW>

<KEX-P8256ZT/EW>



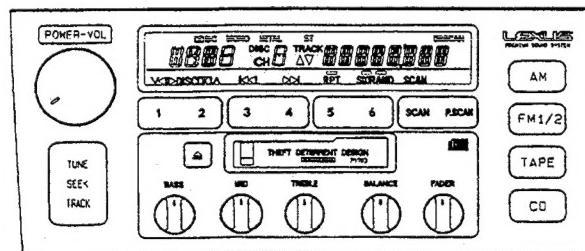
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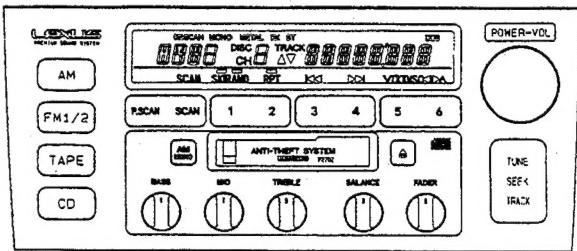
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<KEX-P8156ZT/UC>

<KEX-P8256ZT/AU>



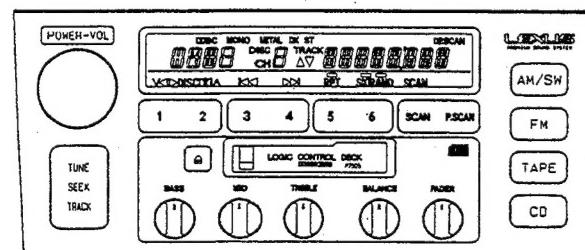
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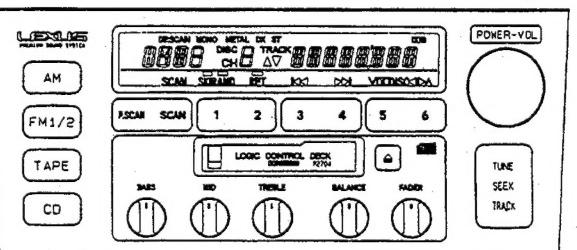
ID No.P2702

<KEX-P8156ZT/ES>

<KEX-P8256ZT/ES>



ID No.P7505



ID No.P2704

KEX-P8256ZT,P8256ZT-91,P8156ZT,P8156ZT-E

- Dolby noise reduction manufactured under license from Dolby Laboratories Licensing Corporation.
"Dolby" and the double-D symbol are trademarks of Dolby Laboratories Licensing Corporation.
- See the separate manual CX-529 (CRT1507) for the cassette mechanism description.
- The cassette mechanism employed in this model is one of 1L mechanism series.
- These models have been installed in LEXUS LS400.

Model	Supplementary Model	Part No.	ID No.
KEX-P8256ZT/EW	KEX-P8256ZT-91/EW	86120-50380	P3703
KEX-P8256ZT/AU	KEX-P8256ZT-91/AU	86120-50410	P2702
KEX-P8256ZT/ES	KEX-P8256ZT-91/ES	86120-50420	P2704
KEX-P8156ZT/EW	KEX-P8156ZT-91/EW	86120-50390	P3702
KEX-P8156ZT/UC	KEX-P8156ZT-91/UC	86120-50360	P1703
KEX-P8156ZT/ES	KEX-P8156ZT-91/ES	86120-50400	P7505

- These models are used in combination with following models.

Head Unit	Amplifier	CD Multi Player	Rear Controller
KEX-P8256ZT/EW			
KEX-P8256ZT/AU	GM-8256ZT/WL		
KEX-P8256ZT/ES		CDX-P8056ZT/WL	CD-R82ZT/WL
KEX-P8156ZT/EW			
KEX-P8156ZT/UC	GM-8056ZT/E		
KEX-P8156ZT/ES			

- Supplementary model is identical to the original model except for the addition of following items.

Description	Part No.
Polyethylene Bag	CEG1026
Carton	CHA2025
Contain Box	CHD2025
Protector	CHP1678
Protector	CHP1679

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1. SPECIFICATIONS**General**

Power source.....	13.2 V(10.5V—16.0V allowable)
Grounding system.....	Negative type
Dimensions(chassis)	178(W) × 107 (H) × 119 (D) mm (nose) 250(W) × 107 (H) × 46 (D) mm
Weight	1.9 kg
Preout output level.....	-7 dBs ± 4dB
Tone controls (bass).....	±9 dB ± 3dB (125 Hz) (mid) ±10 dB ± 3dB (1 kHz) (treble) ±10 dB ± 3dB (10 kHz)
Loudness contour	-2 dB ± 1 dB (125 Hz / 1 kHz)(MAX-30dB) -2.5 dB ± 1 dB (10k Hz / 1 kHz)(MAX-30dB)

Tape player

Tape	Compact cassette tape (C-30—C-90)
Tape speed	4.76 cm/sec.(+0.14 cm/sec.,-0.05 cm/sec.)
Wow & flutter	less than 0.2 % (WRMS)
Fast forward/rewind time	less than 120 sec. for C-60
Stereo separation	more than 35 dB
Signal-to-noise ratio	more than 41 dB

FM(UKW) tuner

Frequency range(EW, AU, ES).....	87.5 — 108.0 MHz
(UC).....	87.75 — 107.9 MHz
Usable sensitivity.....	9 dBf ± 5dB (mono, S/N: 30 dB)
Signal-to-noise ratio	more than 55 dB
Distortion.....	less than 3.0% (65 dBf, 1 kHz, stereo)
Stereo separation	more than 25 dB (65 dBf, 1 kHz)

MW tuner

Frequency range(EW, AU, ES)	531 — 1,602 kHz
(UC).....	530 — 1,710 kHz
Usable sensitivity(EW, UC, ES).....	27 dBμ± 5dB (S/N: 20 dB)

Selectivity.....	more than 50 dB (±9 kHz)
Signal-to-noise ratio.....	more than 45 dB(74dB μ)
Distortion.....	less than 1.0% (74dB μ)
Stereo separation(AU)	more than 18 dB

LW tuner(EW)

Frequency range	153 — 281 kHz
Usable sensitivity	31 dBμ± 5dB (S/N: 20 dB)
Selectivity.....	more than 50 dB (±9 kHz)
Signal-to-noise ratio.....	more than 40 dB(74dB μ)
Distortion.....	less than 1.0% (74dB μ)

SW1 tuner(KEX-P8156ZT/ES)

Frequency range	2,940 — 3,575 kHz
.....	3,580 — 4,215 kHz
.....	4,540 — 5,175 kHz
.....	5,820 — 6,455 kHz
.....	7,100 — 7,735 kHz
Usable sensitivity	32 dBμ± 6dB (S/N: 20 dB)
Signal-to-noise ratio.....	more than 40 dB(74dB μ)
Distortion.....	less than 1.0% (74dB μ)

SW2 tuner(KEX-P8156ZT/ES)

Frequency range	9,500 — 10,135 kHz
.....	11,580 — 12,215 kHz
.....	15,100 — 15,735 kHz
.....	17,500 — 18,135 kHz
.....	21,340 — 21,975 kHz
Usable sensitivity	32 dBμ± 6dB (S/N: 20 dB)
Signal-to-noise ratio.....	more than 40 dB(74dB μ)
Distortion.....	less than 1.0% (74dB μ)

2. SYSTEM BLOCK DIAGRAM

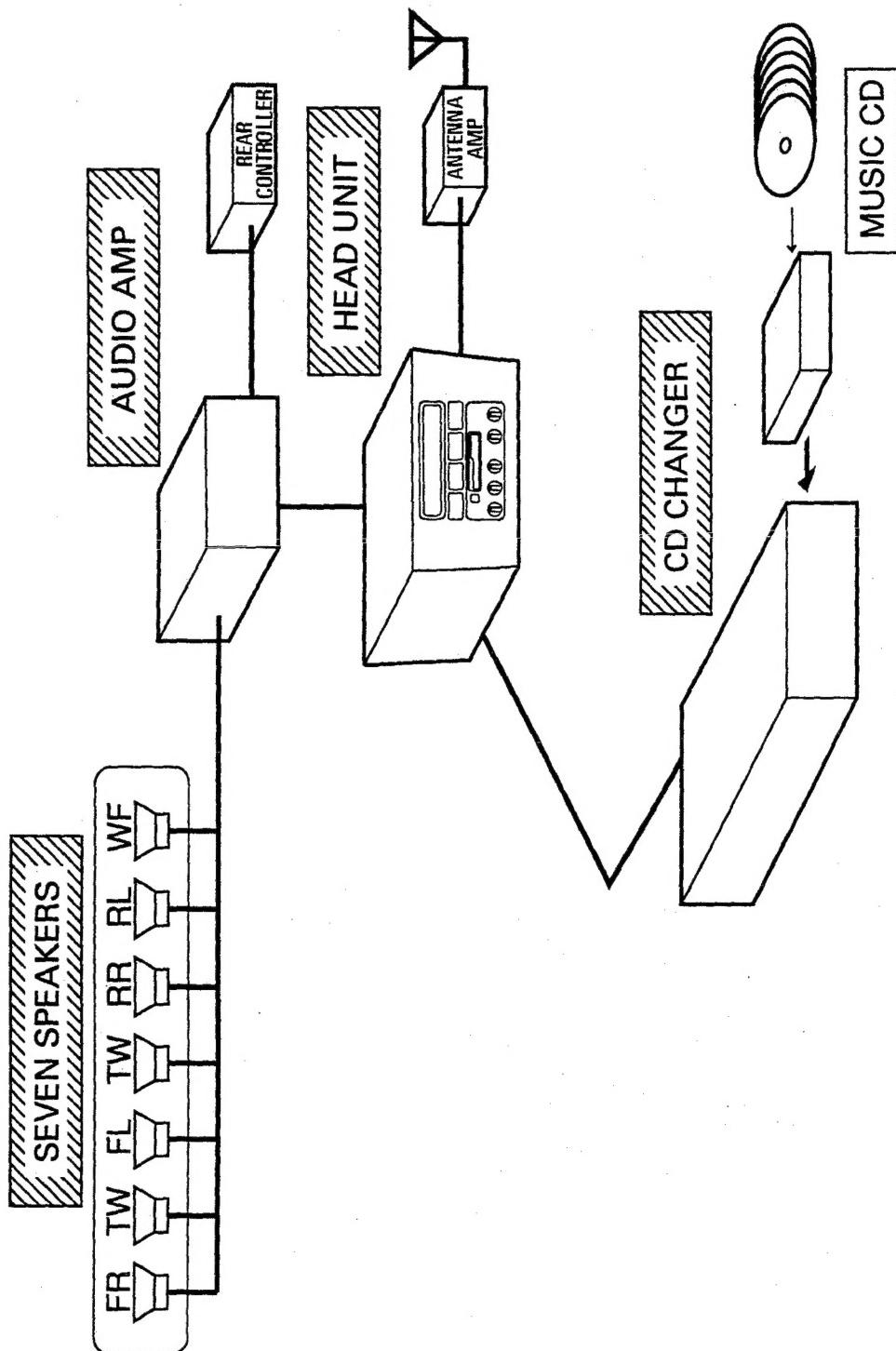


Fig.1

3. DISASSEMBLY

● Removing the Case(not shown)

1.Remove the eight screws, and then remove the case.

● Removing the Grille Assy(Fig.2)

1.Remove the two screws.

2.Disconnect the connector.

3.Disconnect the four stoppers indicated by arrows, and then remove the grille assy.

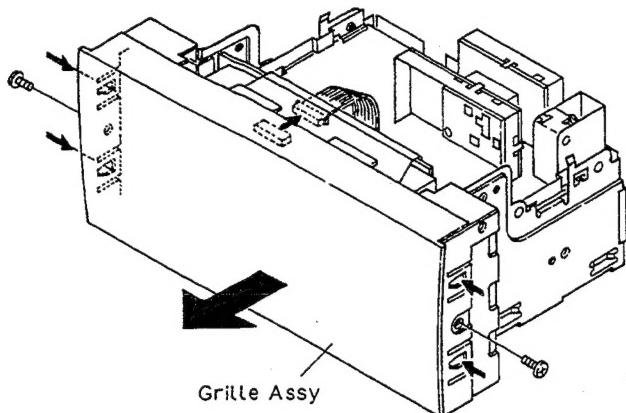


Fig.2

● Removing the Tuner P.C.Board

1.Remove the tuner P.C.board indicated by arrow.

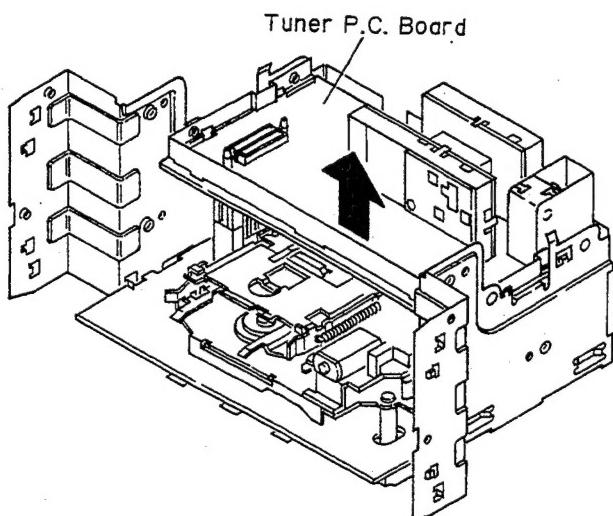


Fig.3

● Removing the Cassette Mechanism Module

1.Remove the four screws .

2.Disconnect the connector.

3.Remove the cassette mechanism module.

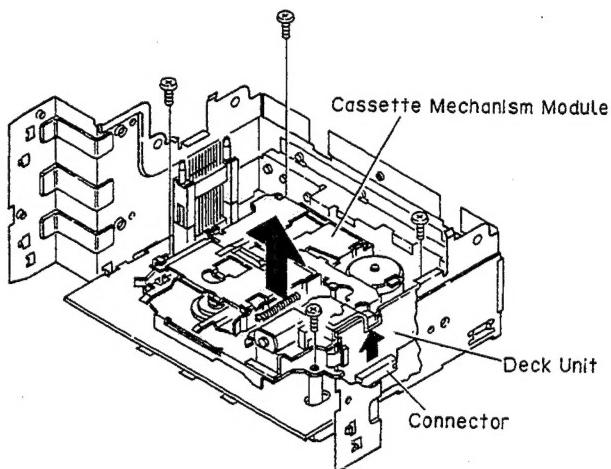


Fig.4

● Removing the Control P.C.Board

1.Remove the three screws, and then remove the control P.C.board.

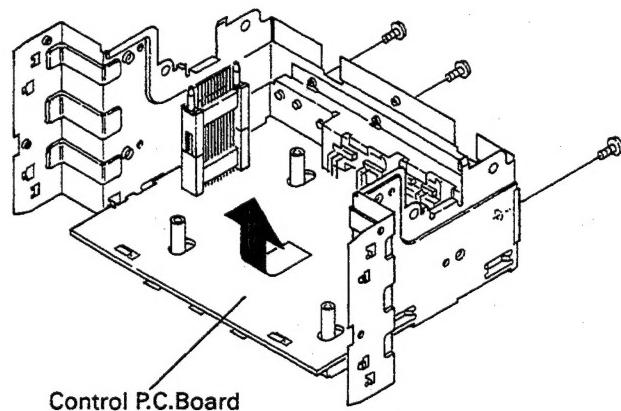


Fig.5

4. ANTI-THEFT SECURITY SYSTEM

4.1 HOW TO INPUT THE THREE DIGIT SECURITY SYSTEM CODE

1. ACCESS MODE

First...

BE SURE THAT:

- the radio unit is turned off
- the ignition switch is in "ACC"

Then...

HOLD the "1" and "6" buttons, and simultaneously PUSH and HOLD the "POWER. VOL" knob in, until "SEC" appears, then release buttons.

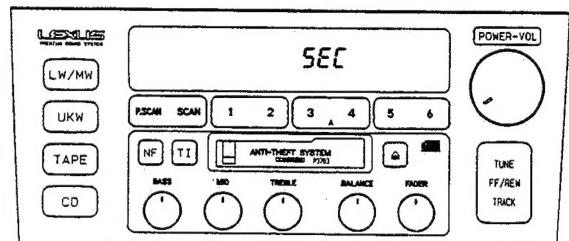


Fig.6

2. READY MODE

PRESS and HOLD the "TUNE[▲]" button in and PRESS the "1" button. The display will read "▲---".

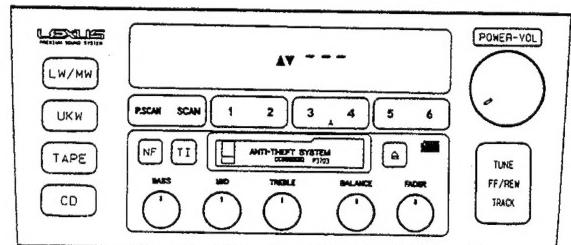


Fig.7

3. INPUT MODE

Note: User has up to ten seconds to input each digit.

Now you're ready to input a three digit Identification number.

To set the **first** ID digit:

- PRESS "1" repeatedly until the desired number appears on the display

To set the **second** ID digit:

- PRESS "2" repeatedly until the desired number appears on the display

To set the **third** ID digit:

- PRESS "3" repeatedly until the final desired number appears on the display

EXAMPLE: If the desired ID number is 314, you'd press "1" four times, press "2" twice, and press "3" five times. (Code digit range zero through nine.)

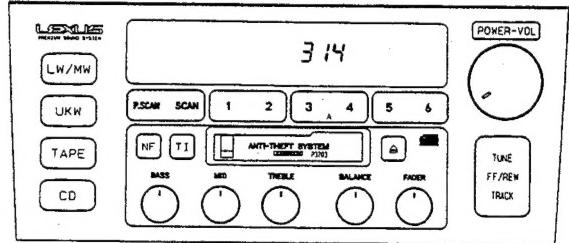


Fig.8

4. SET MODE

With the ID number now appearing on the display:

- PRESS the "SCAN" button and HOLD it in until "SEC" appears for a few seconds, then it will GO DARK.

NOTE: 1) CREATE AN ID NUMBER EASY TO REMEMBER.

2) KEEP ID NUMBER IN A RELIABLE PLACE.

3) DON'T LEAVE ID NUMBER IN THE VEHICLE!

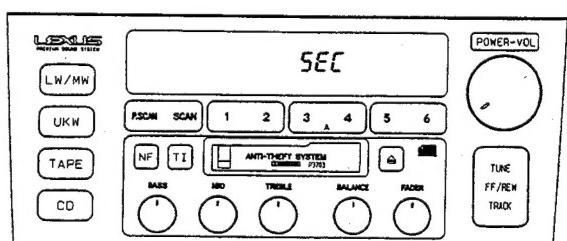


Fig.9

LEX-P8256ZT, P8256ZT-91, P8156ZT, P8156ZT-91

4.2 HOW TO CHANGE THE THREE DIGIT SECURITY SYSTEM CODE

1. ACCESS MODE

First...

BE SURE THAT:

- the radio unit is turned off
- the ignition switch is in "ACC"

Then...

HOLD the "1" and "6" buttons, and simultaneously PUSH and HOLD the "POWER. VOL" knob in, until "SEC" appears, then release buttons.

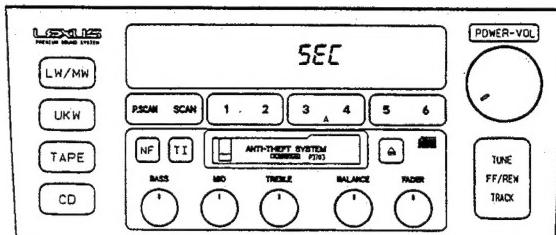


Fig.10

2. READY MODE

PRESS and HOLD the "TUNE [\wedge]" button in and PRESS the "1" button. The display will read " $\Delta\wedge---$ ".

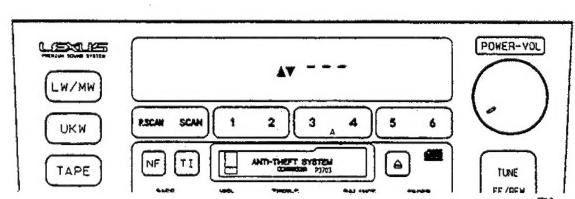


Fig.11

3. INPUT MODE

Input existing three digit ID numbers.

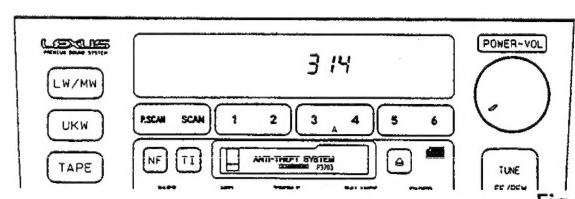


Fig.12

4. SET MODE

Then, push "SCAN". The display will now read "---" continuously.

(*("Err" See "ERROR MESSAGE")

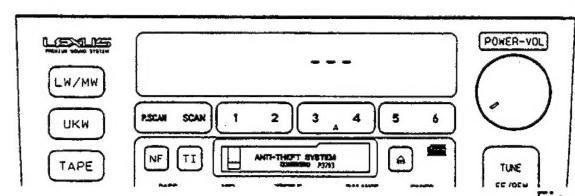


Fig.13

5. READY MODE

PUSH "TUNE [\wedge]" and "1" simultaneously.

The display will read " $\Delta\wedge---$ ".

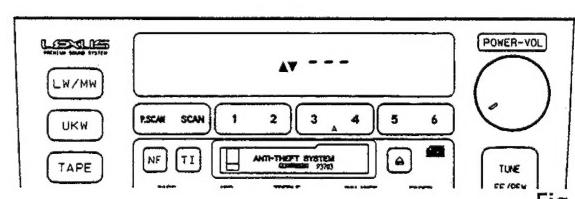


Fig.14

6. INPUT MODE

Now you're ready to input a new three digit ID number.

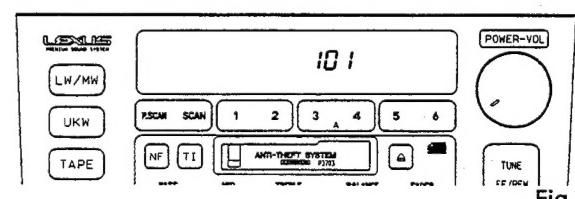


Fig.15

7. SET MODE

With the ID number now appearing on the display:

- PRESS the "SCAN" button and HOLD it in until "SEC" appears for a few seconds, then it will GO DARK.

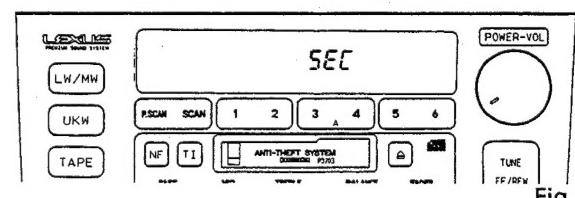


Fig.16

KEX-P8256ZT, P8256ZT-91, P8156ZT, P8156ZT-91

4.3 HOW TO CLEAR THE SECURITY CODE

1. ACCESS MODE

First...

BE SURE THAT:

- the radio unit is turned off
- the ignition switch is in "ACC"

Then...

HOLD the "1" and "6" buttons, and simultaneously PUSH and HOLD the "POWER. VOL" knob in, until "SEC" appears, then release buttons.

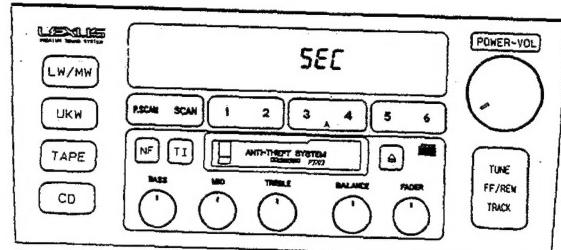


Fig.17

2. READY MODE

PRESS and HOLD the "TUNE [^]" button in and PRESS the "1" button. The display will read "▲▼---".

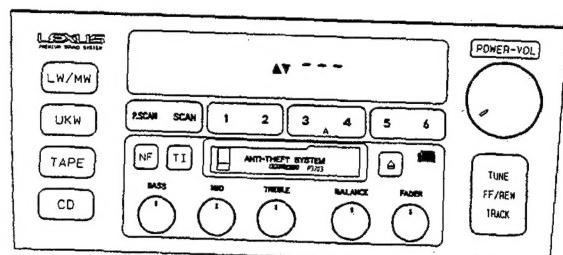


Fig.18

3. INPUT MODE

Input existing three digit ID numbers.

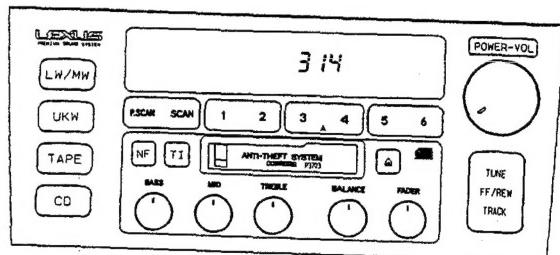


Fig.19

4. SET MODE

Then, push "SCAN". The display will now read "---" continuously.

*("Err" See "ERROR MESSAGE")

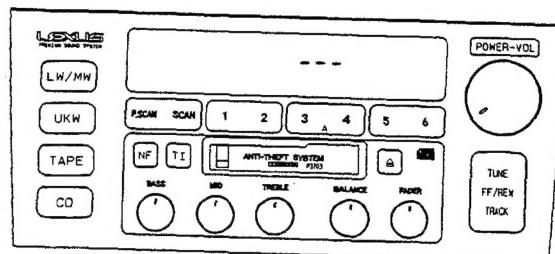


Fig.20

5. WAIT for ten seconds. The security system clears itself and the display will GO DARK.

*(The security code should be cleared when the vehicle is resold.)

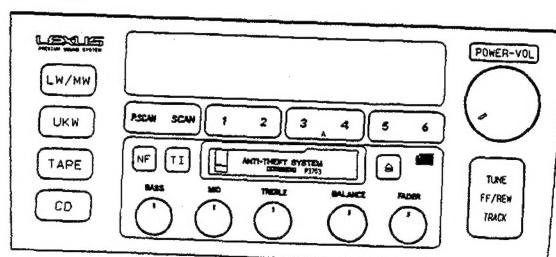


Fig.21

4.4 HOW TO REACTIVATE A DISABLED ETR

1. If the power is disconnected by an attempted theft or loss of battery power, the display will read "SEC" continuously when the key is "on". Also, when the ignition key is turned to ACC, none of the ETR functions will function.

2. READY MODE

PRESS and HOLD the "TUNE [\wedge]" button in and PRESS the "1" button. The display will read " $\Delta\wedge---$ ".

3. INPUT MODE

Now you're ready to input the existing three digit identification number.

To set the first ID digit:

- PRESS "1" repeatedly until the desired number appears on the display

To set the second ID digit:

- PRESS "2" repeatedly until the desired number appears on the display

To set the third ID digit:

- PRESS "3" repeatedly until the final desired number appears on the display

EXAMPLE: If the desired ID number is 314, you'd press "1" four times, press "2" twice, and press "3" five times. (Code digit range zero through nine.)

Note: User has up to ten seconds to input each digit.

4. SET MODE

With the ID number now appearing on the display:

- PRESS the "SCAN" button and HOLD it in until "SEC" appears for a few seconds, then it will GO DARK.

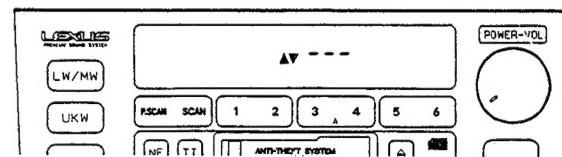


Fig.22

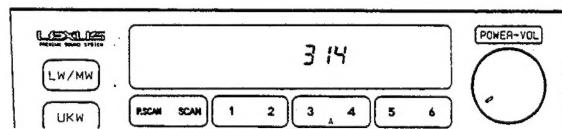


Fig.23

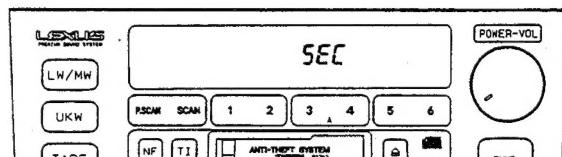


Fig.24

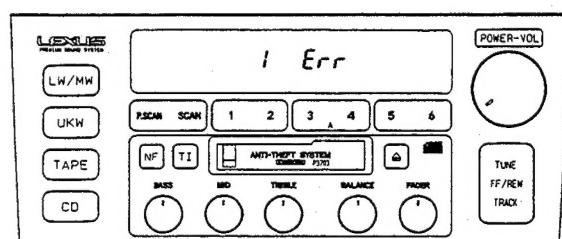


Fig.25

5. GENERAL GUIDE

5.1 TAPE(KEX-P8256ZT/EW)

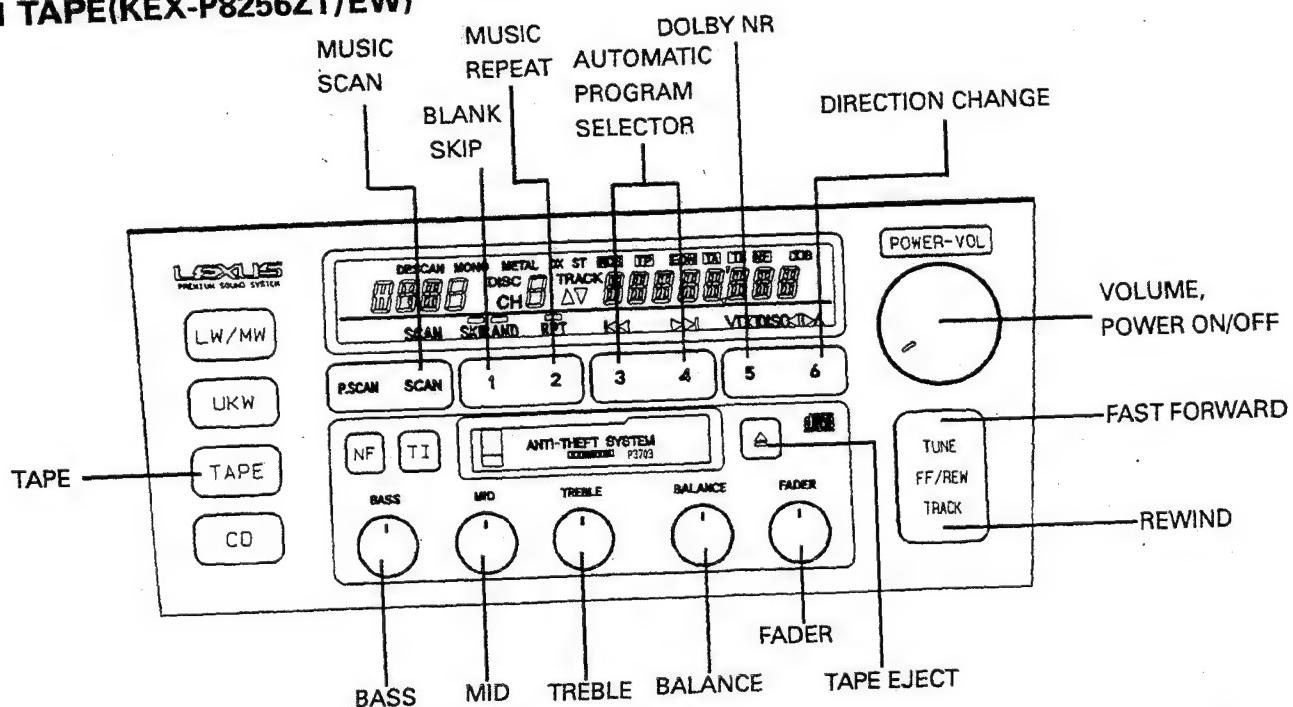


Fig.26

5.2 TAPE(KEX-P8256ZT/AU)

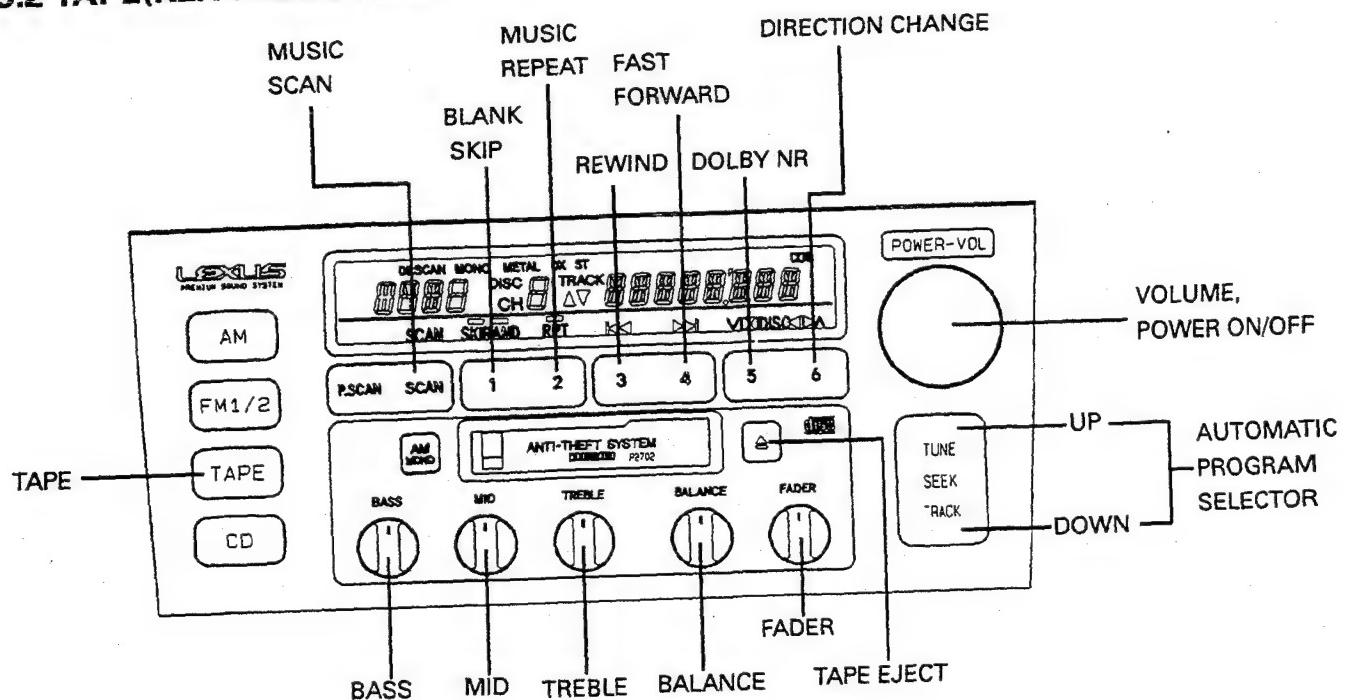


Fig.27

KEX-P8256ZT, P8256ZT-91, P8156ZT, P8156ZT-91

5.3 RADIO(KEX-P8256ZT/EW)

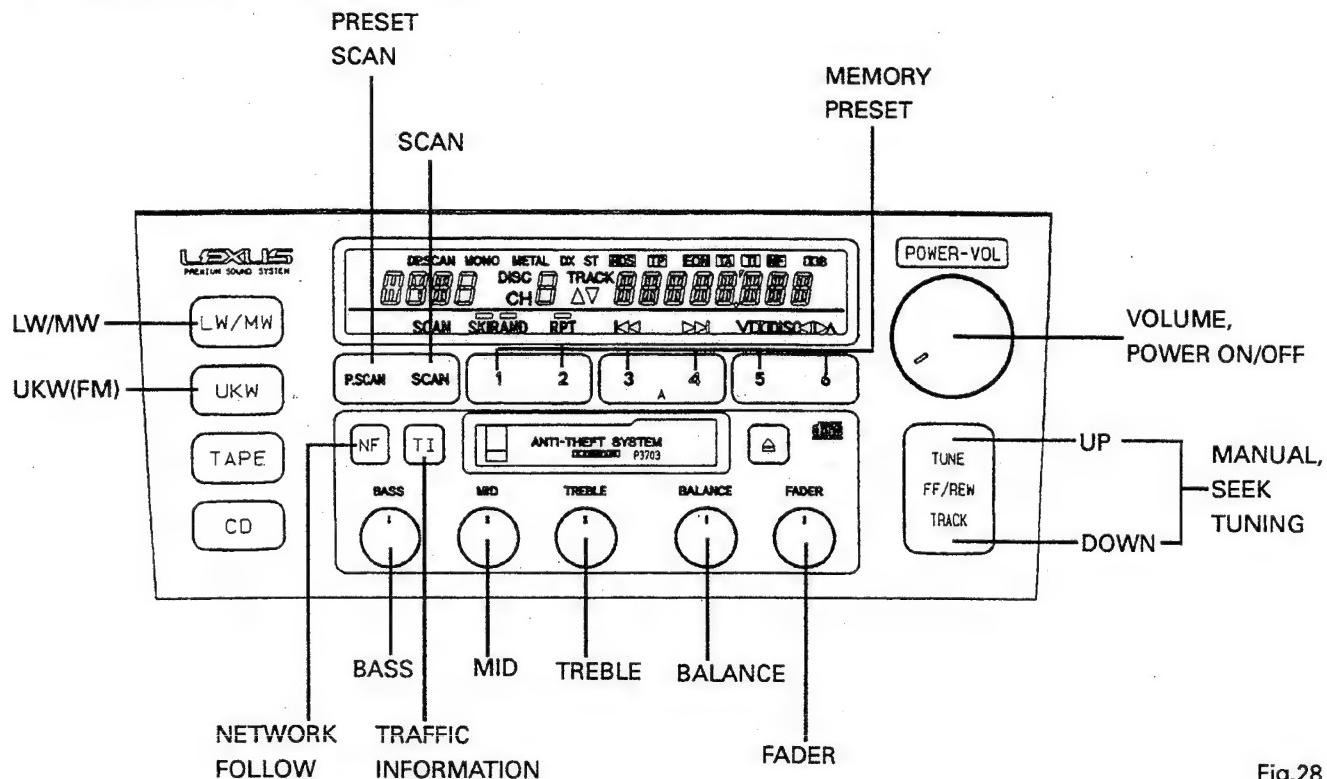


Fig.28

5.4 CD(KEX-P8256ZT/EW)

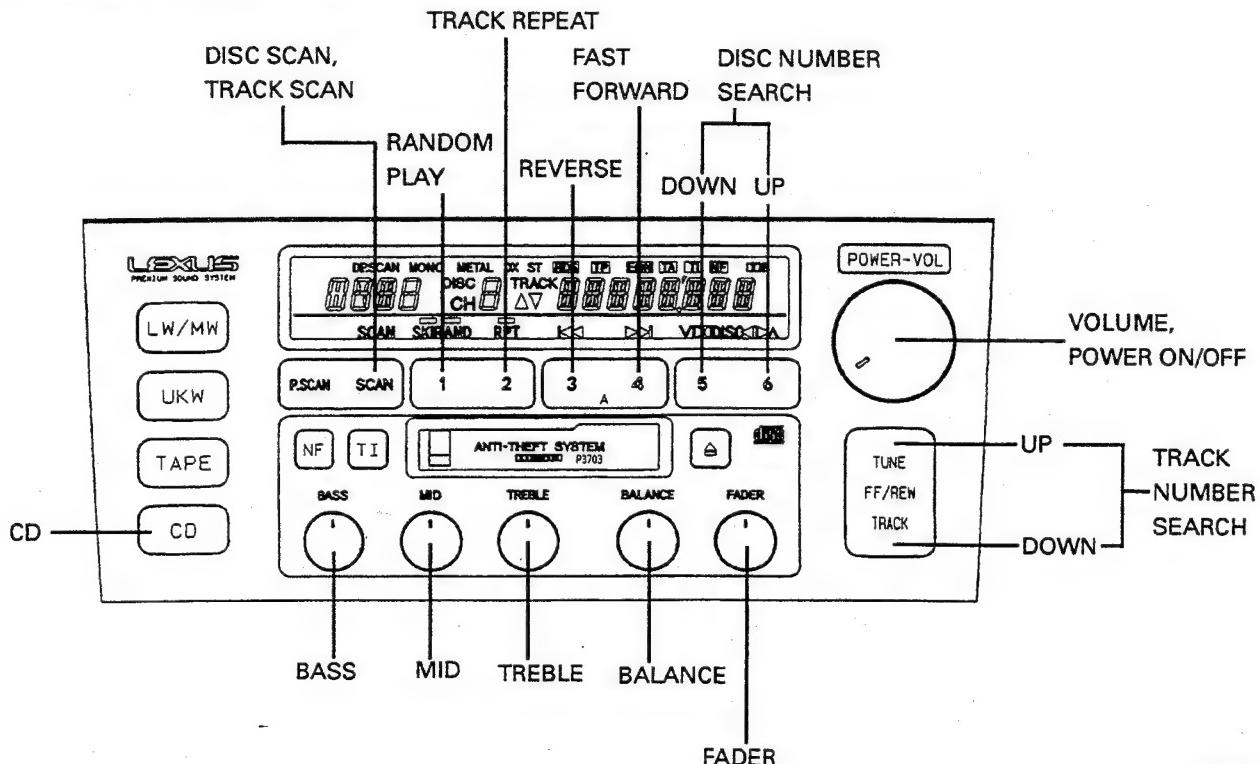


Fig.29

6. ERROR NUMBERS

● Indicating An Error Number

If the CD should fail to operate in CD multi player or if an error has taken place during the operation and resulted in an error, the player will enter into the error mode. And the cause of such error is numerically indicated. This is aimed at assisting an analysis or repair.

1) Basic Means of Display

- With ERROR indicated in "MODE" on IP-BUS Display date, an error code is transmitted by the use of MIN and SEC. Identical date are transmitted with MIN and SEC.
- Examples of Display ERR XX

2) Error Codes

Error Code	Classification	Description	Detail / Cause
22	ELECTRIC	Carriage home failure	Unmovable to and from the inner circumference → Home switch failed and / or carriage improper moved
21	ELECTRIC	Focus failure	Focussing failed → Disc scarred or stained on the back or vibrating hard
25	ELECTRIC	SETUP failure	Spindle failed to lock or subcode extraordinary → Spindle defective, disc scarred or stained or vibrating hard
23	ELECTRIC	Blank Disc	Unrecorded CD-R The disc has been inserted upside down
24	ELECTRIC	Search time out	Target address failed to reach → Carriage / tracking improperly and / or disc scarred
14	SYSTEM / MECHANISM	Power failure	Mechanism drive power supply VM short sense or no power supply → Switching transistor defective and / or power abnormal or LOAD terminal failure
12	MECHANISM	An error upon ejection	MAG SW release time has time out Elevation time out when eject
13	MECHANISM	An error while putting in and out the tray	Tray in / out time has time out Tray is caught when put in
11	MECHANISM	An error upon elevation	Elevation time has time out
16	MECHANISM	An error with an empty magazine inserted	No disc is available

* Setup means a series of operations after focusing up to sound output.

7. CONNECTOR FUNCTION DESCRIPTION

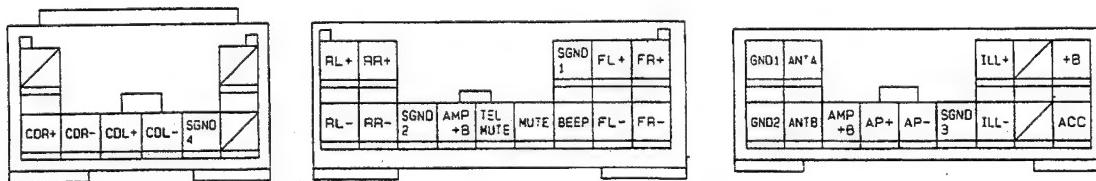
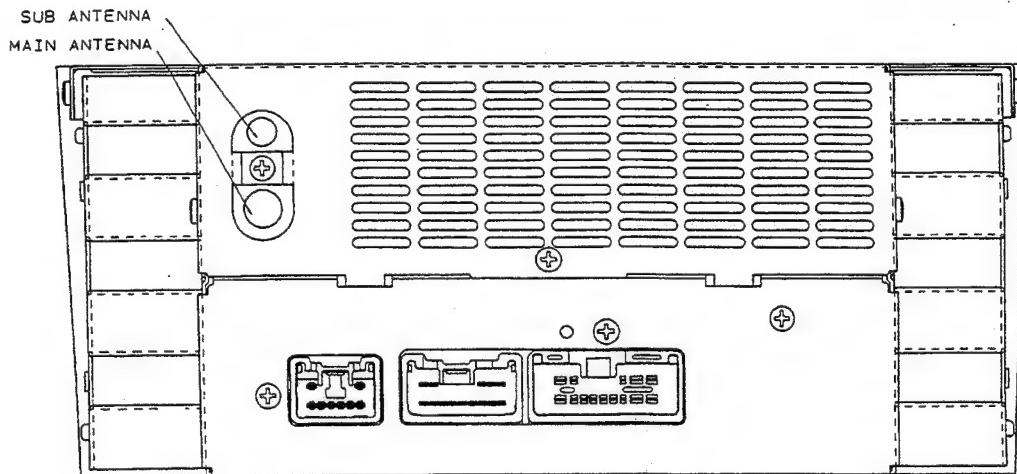


Fig.30

8. ADJUSTMENT

8.1 TEST MODE

Test mode is mainly used adjustment of CDX-P8056ZT/WL.

- Switching to test mode

While pressing the POWER, TRACK UP keys together, switch the back up and ACC ON.

- Canceling test mode

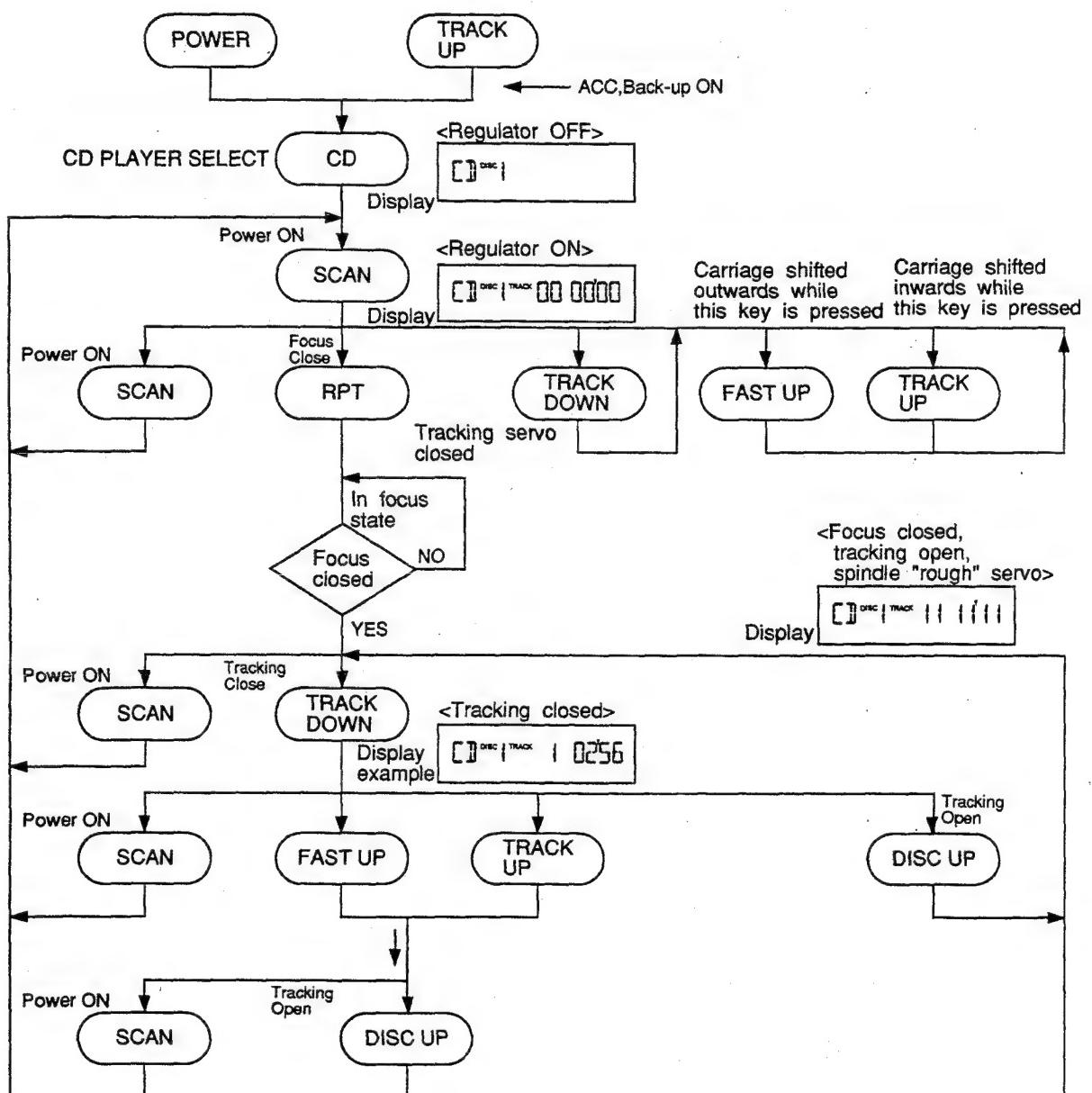
Switch the CD multi-player and this model back up and ACC OFF.

a) CD multi-player

	Function
SCAN	Regulator ON/OFF
FAST UP	FWD kick
TRACK UP	REV kick
TRACK DOWN	Tracking close
DISC UP	Tracking open
RPT	Focus close
RANDOM	Disc number up

KEX-P8256ZT,P8256ZT-91,P8156ZT,P8156ZT-9

● Flow Chart



8.2 TUNER / AUDIO SECTION

● Connection Diagram

NOTE:

Select C1 so that total capacity of 80pF is attained from the direction of the receiver jack.

Z: Output impedance of SSG.

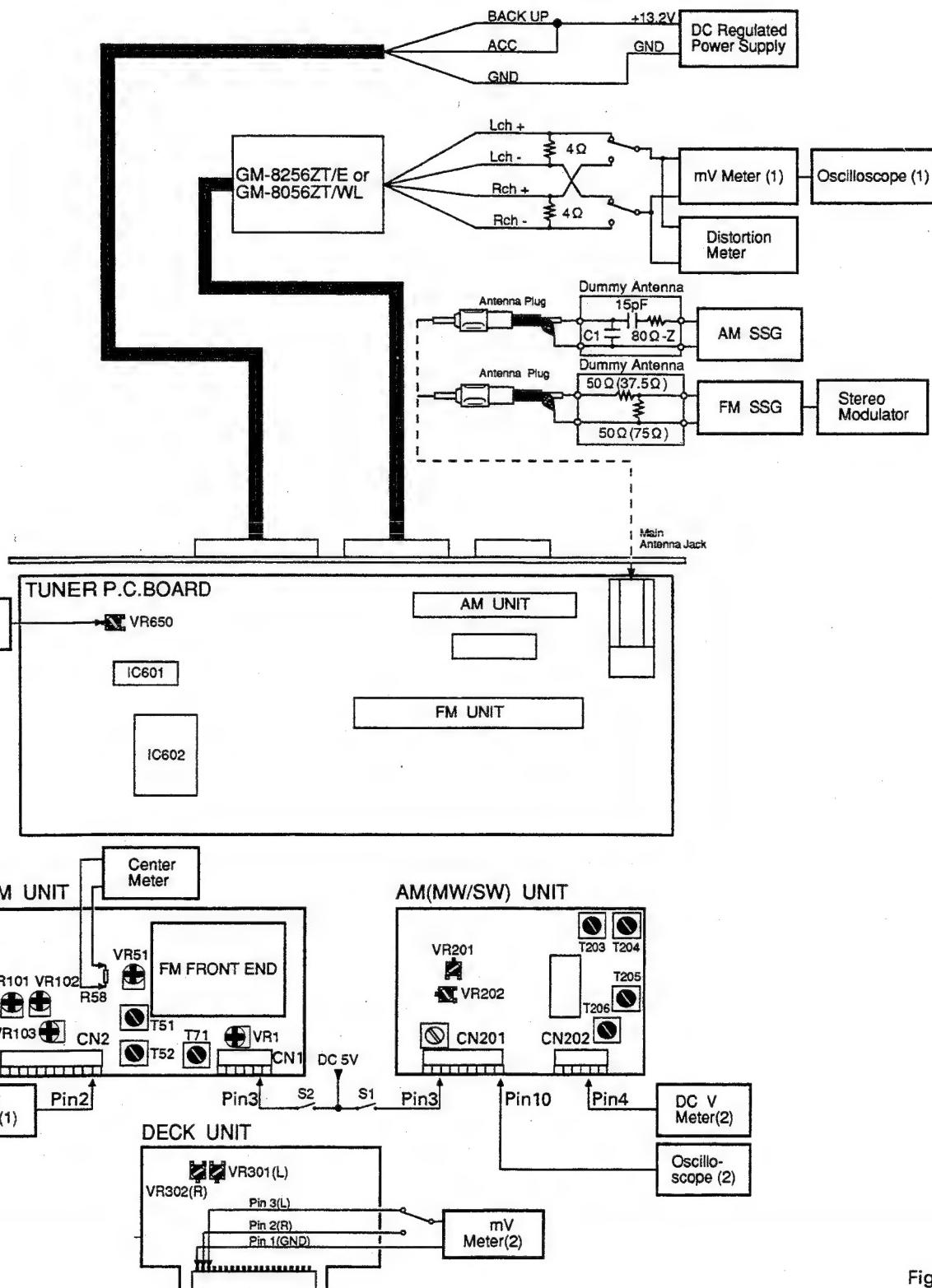


Fig.31

KEX-P8256ZT, P8256ZT-91, P8156ZT, P8156ZT-S

AM(MW/SW) ADJUSTMENT(KEX-P8156ZT/EW, KEX-P8256ZT/EW, ES)

No.	AM SSG(400Hz,30%)		Displayed Frequency(kHz)	Adjustment Point	Adjustment Method (Switch Position)
	Frequency(kHz)	Level(dB μ)			
Tracking	1	999	15	999	T204,T205, T206
SEEK (DX)	1	999	30	999	VR201
SEEK (LOC)	1	999	50	999	VR202

AM ADJUSTMENT(KEX-P8156ZT/UC)

No.	AM SSG(400Hz,30%)		Displayed Frequency(kHz)	Adjustment Point	Adjustment Method (Switch Position)
	Frequency(kHz)	Level(dB μ)			
Tracking	1	1,000	15	1,000	T204,T205, T206
SEEK (DX)	1	1,000	40	1,000	VR201

AM ADJUSTMENT(KEX-P8256ZT/AU)

No.	AM SSG(400Hz,30%)		Displayed Frequency(kHz)	Adjustment Point	Adjustment Method (Switch Position)
	Frequency(kHz)	Level(dB μ)			
Tuning-Volt	1	-	-	1,602	T203
Tracking	1	999	15	999	T204,T205, T206
SEEK (DX)	1	999	30	999	VR201
SEEK (LOC)	1	999	50	999	VR202

AM/SW ADJUSTMENT(KEX-P8156ZT/ES)

No.	AM SSG(400Hz,30%)		Displayed Frequency(kHz)	Adjustment Point	Adjustment Method (Switch Position)
	Frequency(kHz)	Level(dB μ)			
Tuning-Volt	1	-	-	21,975	T203
Tracking	1	999	15	999	T204,T205, T206
SEEK (DX)	1	999	30	999	VR201
SEEK (LOC)	1	999	50	999	VR202

FM(UKW) ADJUSTMENT(KEX-P8156ZT/EW, KEX-P8256ZT/EW)

Modulation M1:MONO MOD., 400Hz 30%(22.5kHz Dev.)
 M2:MONO MOD., 400Hz 100%(75kHz Dev.)
 S1:STEREO MOD., 1kHz, L or R=30%(20.25kHz+7.5kHz Dev.)
 S2:STEREO MOD., 1kHz, L or R=90%(60.75kHz+7.5kHz Dev.)

	No.	FM SSG		Displayed Frequency(MHz)	Adjustment Point	Adjustment Method (Switch Position)
		Frequency(MHz)	Level(dBf)			
IF	1	98.1 M2	65	98.1	T51	Center Meter : 0
	2	98.1 M2	65	98.1	T52	Distortion Meter : minimum
	3	Repeat No.1-2 alternately so that the center meter indicates the 0 output and distortion meter indicates the minimum output.				
Max. Mute	1	98.1 M1	65	98.1	-	mV Meter(1) : A
	2	98.1 M1	∞	98.1	VR102	mV Meter(1) : A-20dB
	3	98.1 S1	39	98.1	VR101	mV Meter(1) : Separation 5dB
ARC Separ- ation	1	98.1 S1	65	98.1	VR103	mV Meter(1) : Separation Maximum
	2	98.1 S1	39	98.1	VR101	mV Meter(1) : Separation 5dB
	3	98.1 M1	27 ± 1	98.1	VR51	DC V Meter(1) : Approx. 5V (SEEK ON)
SD	1	98.1 M1	25 ± 1	98.1	VR1	DC V Meter(1) : Approx. 5V (S2 ON, SEEK ON)

FM ADJUSTMENT(KEX-P8156ZT/UC)

	No.	FM SSG		Displayed Frequency(MHz)	Adjustment Point	Adjustment Method (Switch Position)
		Frequency(MHz)	Level(dBf)			
IF	1	98.1 M2	65	98.1	T51	Center Meter : 0
	2	98.1 M2	65	98.1	T52	Distortion Meter : minimum
	3	Repeat No.1-2 alternately so that the center meter indicates the 0 output and distortion meter indicates the minimum output.				
Max. Mute	1	98.1 M1	65	98.1	-	mV Meter(1) : A
	2	98.1 M1	∞	98.1	VR102	mV Meter(1) : A-20dB
	3	98.1 S1	39	98.1	VR101	mV Meter(1) : Separation 5dB
ARC Separ- ation	1	98.1 S1	65	98.1	VR103	mV Meter(1) : Separation Maximum
	2	98.1 S1	39	98.1	VR101	mV Meter(1) : Separation 5dB
	3	98.1 M1	33 ± 1	98.1	VR51	DC V Meter(1) : Approx. 5V (SEEK ON)

KEX-P8256ZT,P8256ZT-91,P8156ZT,P8156ZT-9

FM ADJUSTMENT(KEX-P8156ZT/ES, KEX-P8256ZT/AU, ES)

	No.	FM SSG		Displayed Frequency(MHz)	Adjustment Point	Adjustment Method (Switch Position)
		Frequency(MHz)	Level(dBf)			
IF	1	98.1 M2	65	98.1	T51	Center Meter : 0
Max.	1	98.1 M1	65	98.1	-	mV Meter(1) : A
Mute	2	98.1 M1	-∞	98.1	VR102	mV Meter(1) : A-20dB
ARC Separation	1	98.1 S1	39	98.1	VR101	mV Meter(1) : Separation 5dB
	2	98.1 S1	65	98.1	VR103	mV Meter(1) : Separation Maximum
	3	98.1 S1	39	98.1	VR101	mV Meter(1) : Separation 5dB
SD	1	98.1 M1	27 ± 1	98.1	VR51	DC V Meter(1) : Approx. 5V (SEEK ON)
LOC.H ATT.	1	98.1 M1	25 ± 1	98.1	VR1	DC V Meter(1) : Approx. 5V (S2 ON, SEEK ON)

RDS SL ADJUSTMENT(KEX-P8156ZT/EW, KEX-P8256ZT/EW)

No.	FM SSG		Displayed Frequency(MHz)	Adjustment Point	Adjustment Method (Switch Position)
	Frequency(MHz)	Level(dBf)			
1	98.1 M1	50	98.1	VR650	DC V Meter(3) : 2.3V ± 0.1V

DOLBY B/C NR ADJUSTMENT(KEX-P8156ZT/UC,ES)

No.	Test Tape	Adjustment Point	Adjustment Method (Switch Position)
1	NCT-150(400Hz,200nwb/m)	VR301(Lch),VR302(Rch)	mV Meter(2) : -8.24dBs + 1.5dB -0.5dB (DOLBY NR Switch : OFF)

DOLBY B NR ADJUSTMENT(KEX-P8156ZT/EW, KEX-P8256ZT/EW, AU, ES)

No.	Test Tape	Adjustment Point	Adjustment Method (Switch Position)
1	NCT-150(400Hz,200nwb/m)	VR301(Lch),VR302(Rch)	mV Meter(2) : -8.24dBs ± 1dB (DOLBY NR Switch : OFF)

JIGS

Product	Extension cable	External harness	Necessary products for repair
KEX-P8156ZT/EW	24P Extension cable	System harness	GM-8056ZT/E or
KEX-P8256ZT/EW	GGD1070	GGD1074	GM-8256ZT/WL
KEX-P8156ZT/UC	14P Extension cable	Speaker harness	
KEX-P8256ZT/AU	GGD1071(X2)	GGD1076	
KEX-P8156ZT/ES	9P Extension cable		
KEX-P8256ZT/ES	GGD1072		
	Extension cable for mechanism module GGD1019		

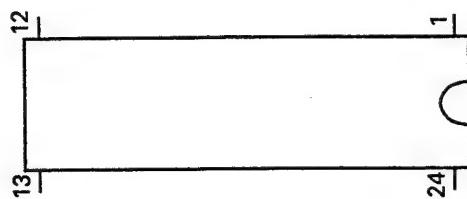
● ICs
● Pin Functions (LC72140M)

Pin No.	Pin Name	I/O	Output Format	Function and Operation
1	XOUT	O		Crystal oscillating element connection pin
2	PCE	I		Chip enable input from system control IC
3	PDO	O	C	Data output for system control IC
4	PCK	I		Serial clock output from system control IC
5	PDI	I		Data input from system control IC
6	SEEK	O	C	Seek output
7	MW/SW	O	C	MW/SW select output (KEX-P8156ZT/ES)
8	LOCL	O	C	LOC L output
9	LOCH	O	C	LOC H output
10	MONO	O	C	Forced mono output
11	MW/LW	O		MW / LW loop filter select output (KEX-P8156ZT/EW,P8256ZT/EW)
	SWL/H	O		SW low band / high band select output (KEX-P8156ZT/ES)
12	ST	I		FM stereo input
13	AMIFIN	I		AM IF signal input
14	RDS	I		RDS LK signal input
15	VDD			Power supply
16	AMVCO	I		AM VCO input
17	FMVCO	I		FM VCO input
18	GND			GND
19	EO1	O	C	PLL error output 1
20	EO0	O	C	PLL error output 0
21,22	NC			Not used
23	GND			GND
24	XOUT	O		Crystal oscillating element connection pin

*LC72140M

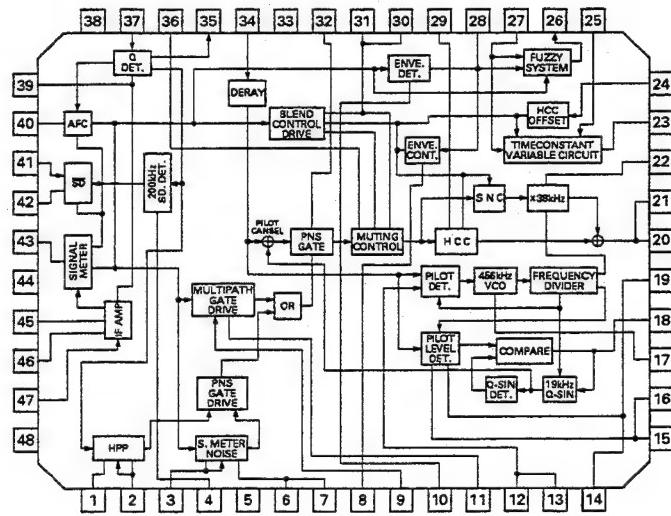
IC's marked by * are MOS type.

Be careful in handing them because they are very liable to be damaged by electrostatic induction.

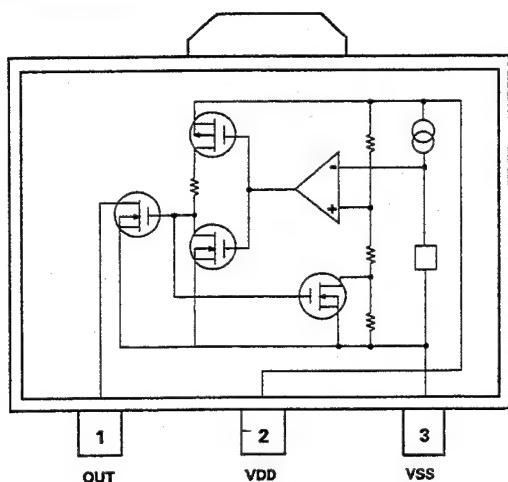


Output Format	Meaning
C	C MOS output

PA4021A



*S-80740AND4I

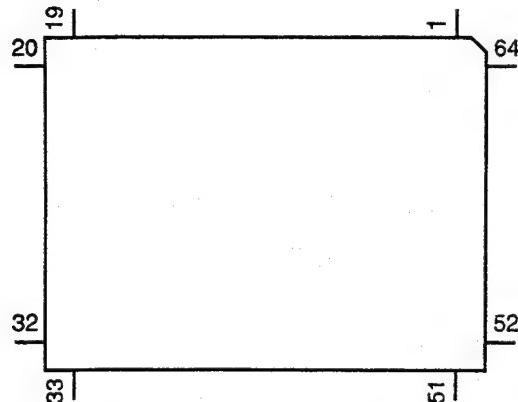


● Pin Functions (PD0179B)

Pin No.	Pin Name	I/O	Output Format	Function and Operation
1	RDSEN	I		Enable input from system control IC
2	RDSCK	I		Serial clock input from system control IC
3-6	RDSDT7-4	I/O	C	Data input/output to system control IC
7-15	NC			Not used
16	RDSSEL	I		Select input from system control IC
17	TUNSEL	I		FM/AM tuner unit select input
18,19	NC			Not used
20	CNVSS			GND
21	RDSRST	I		Reset input from system control IC
22	XIN	I		Crystal oscillating element connection pin
23	XOUT	O		Crystal oscillating element connection pin
24	NC			Not used
25	VSS			GND
26	SCHK	I		Software check input
27-31	NC			Not used
32	RCK	I		RDS demodulation clock input
33	RDT	I		RDS demodulation data input
34-45	NC			Not used
46	DRST	O	C	Decoder reset output
47	SD	I		SD input
48	SK	I		SK signal input
49	RDSLK	I		RDS LK signal input
50	DK	I		DK signal input
51	ERROR	O	C	Disapprove of error correction output
52	CORR	O	C	Error output
53	RECIVE	O	C	During RDS data reception output
54-56	NC			Not used
57	FZOUT	O	C	Fuzzy control output
58	VCC			5V
59	NC			Not used
60	FZIN	I		Fuzzy level input
61	SL	I		Signal level from tuner
62,63	NC			Not used
64	RDSRDY	O	C	Ready output for system control IC

*PD0179B

Output Format	Meaning
C	C MOS output



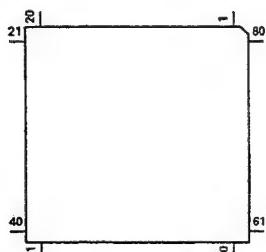
● Pin Functions (PD4495C)

Pin No.	Pin Name	I/O	Output Format	Function and Operation
1	FAD	I		A/D converter input from FADER volume
2	MAIN	I		A/D converter input from MAIN volume
	VOL-	I		Volume down input form encoder
3	VOL+	I		Volume up input from encoder
4	AVSS			GND
5	VOUT	O	C	Volume output
6	PCE	O	C	Chip enable output for PLL IC
7	AVREF1	I		A/D converter reference voltage
8	PDI	I		Data input from PLL IC
9	PDO	O	C	Data output for PLL IC
10	PCK	O	C	Serial clock output for PLL IC
11	EDI	I		Data input from EP ROM
12	EXDT	O	C	Data output for external IC
13	EXCK	O	C	Clock output for external IC
14	LCEO	O	C	Chip enable output pin for LCD driver 0
15	LCE1	O	C	Chip enable output pin for LCD driver 1
16	LINH	O	C	Inhibit output for LCD driver
17,18	NC			Not used
19	ECE	O	C	Chip enable output for EP-ROM
20-25	KST0-5	O	C	Key strobe output
26	NC			Not used
27-30	KD0-KD3	I		Key return input
31	MSIN	I		Cassette mechanism MS sense input
32	F/R	O	C	Cassette mechanism head forward/reverse select output
33	VSS			GND
34	PLAY	O	C	Music search gain select output
35	MTL	I		Cassette mechanism tape select input
36	LOAD	O	C	Loading motor LOAD control
37	POS	I		Cassette mechanism position sense input
38	RES	I		Cassette mechanism reverse end sense input
39	NES	I		Cassette mechanism forward end sense input
40	SC2	O	C	Cassette mechanism sub motor control output
41	SC1	O	C	Cassette mechanism sub motor control output
42	CM	O	C	Cassette mechanism capstan motor control output
43	STBY	O	C	Cassette mechanism driver stand-by output
44	TAPPWR	O	C	Tape +B ON/OFF output
45	PEE	O	C	Beep tone output
46	NC			Not used
47	VST	O	C	Strobe pulse output for electronic volume
48	VCK	O	C	Clock output for electronic volume
49	VDT	O	C	Data output for electronic volume
50	SYSMUT	O	C	System mute output
51	SYSPW	O	C	System power supply control output
52	TUNMUT	O	C	Tuner mute output
53	SWVDD	O	C	Key board unit power supply control output
54	NC			Not used
55	IPPWWR	O	C	Power supply control output for IP BUS interface IC
56	IPDO	O	C	Data output for IP BUS interface IC
57	IPDI	I		Data input from IP BUS interface IC
58,59	NC			Not used
60	RESET	I		Reset input
61	SD	I		Station detector signal input
62	ASEN	I		ACC power sense input
63	ISEN	I		Illumination power supply sense input
64	BSEN	I		Back up power sense input
65	EXOE	O	C	Enable output for external IC

KEX-P8256ZT,P8256ZT-91,P8156ZT,P8156ZT-9

Pin No.	Pin Name	I/O	Output Format	Function and Operation
66	EXLD	O	C	Load output for external IC
67	EJECT	I		Eject key input pin
68	VDD			Power supply
69,70	X2,X1			Crystal oscillating element connection pin
71	IC			Not used
72	XT2			Not used
73	TLMT	I		Telephone mute input
74	AVDD			Power supply
75	AVREF0	I		A/D converter reference voltage
76	SL	I		Signal level input from tuner
77	BASS	I		A/D converter input from BASS volume
78	MID	I		A/D converter input from MID volume
79	TRE	I		A/D converter input from TREBLE volume
80	BAL	I		A/D converter input from BALANCE volume

*PD4495C

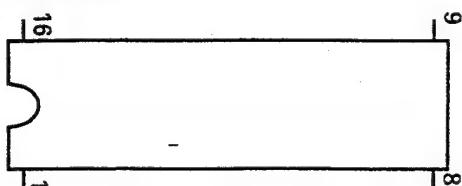


Output Format	Meaning
C	C MOS output

● Pin Functions (MB88306PF)

Pin No.	Pin Name	I/O	Output Format	Function and Operation
1	SO	O	C	Serial data output
2	LOAD	I		Loading motor LOAD control input
3	LCDBL	O	C	LCD back light ON/OFF select output
4	ILM	O	C	Illumination ON/OFF select output
5	NR	O	C	Dolby NR ON/OFF select output
6	B/C	O	C	Dolby NR B/C select input
7	EXCK	I		External clock input
8	VSS			GND
9	EXCE	I		Chip enable input
10	FM/AM	O	C	FM/AM power select output
11	ANTB	O	C	Auto antenna +B control output
12	ANT0	O	C	Auto antenna control output 0
13	ANT1	O	C	Auto antenna control output 1
14	EXDT	I		Data input
15	RST	I		Reset signal input
16	VDD			Power supply

*MB88306PF



Output Format	Meaning
C	C MOS output

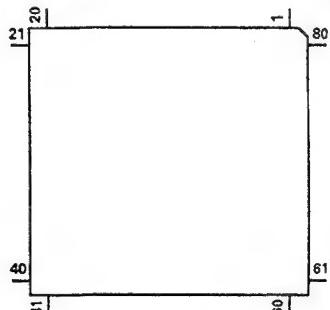
● Pin Functions (PD4496B)

Pin No.	Pin Name	I/O	Output Format	Function and Operation
1	FAD	I		A/D converter input from FADER volume
2	MAIN	I		A/D converter input from MAIN volume
3	FREQ	I		PS(Program Service Name) display select input
4	AVSS			GND
5	VOUT	O	C	Volume output
6	PCE	O	C	Chip enable output for PLL IC
7	AVREF1	I		A/D converter reference voltage
8	PDI	I		Data input from PLL IC
9	PDO	O	C	Data output for PLL IC
10	PCK	O	C	Serial clock output for PLL IC
11	EDI	I		Data input from EP ROM
12	EXDT	O	C	Data output for external IC
13	EXCK	O	C	Clock output for external IC
14	LCE0	O	C	Chip enable output pin for LCD driver 0
15	LCE1	O	C	Chip enable output pin for LCD driver 1
16	LINH	O	C	Inhibit output for LCD driver
17	RDT	I/O	C	Data input/output to RDS control IC
18	RCK	I/O	C	Clock input/output to RDS control IC
19	ECE	O	C	Chip enable output for EP-ROM
20-25	KST0-5	O	C	Key strobe output
26	NC			Not used
27-30	KD0-KD3	I		Key return input
31	MSIN	I		Cassette mechanism MS sense input
32	F/R	O	C	Cassette mechanism head forward/reverse select output
33	VSS			GND
34	PLAY	O	C	Music search gain select output
35	MTL	I		Cassette mechanism tape select input
36	LOAD	O	C	Loading motor LOAD control
37	POS	I		Cassette mechanism position sense input
38	RES	I		Cassette mechanism reverse end sense input
39	NES	I		Cassette mechanism forward end sense input
40	SC2	O	C	Cassette mechanism sub motor control output
41	SC1	O	C	Cassette mechanism sub motor control output
42	CM	O	C	Cassette mechanism capstan motor control output
43	STBY	O	C	Cassette mechanism driver stand-by output
44	TAPPWR	O	C	Tape +B ON/OFF output
45	PEE	O	C	Beep tone output
46	NC			Not used
47	VST	O	C	Strabe pulse output for electronic volume
48	VCK	O	C	Clock output for electronic volume
49	VDT	O	C	Data output for electronic volume
50	SYSMUT	O	C	System mute output
51	SYSPW	O	C	System power supply control output
52	TUNMUT	O	C	Tuner mute output
53	SWVDD	O	C	Key board unit power supply control output
54	RDSEN	O	C	Enable output for RDS IC
55	IPPWR	O	C	Power supply control output for IP BUS interface IC
56	IPDO	O	C	Data output for IP BUS interface IC
57	IPDI	I		Data input from IP BUS interface IC
58	RDSRST	O	C	Reset output for RDS IC
59	RDSSEL	O	C	Select output for RDS IC
60	RESET	I		Reset input
61	SD	I		Station detector signal input
62	ASEN	I		ACC power sense input
63	ISEN	I		Illumination power supply sense input
64	BSEN	I		Back up power sense input
65	EXOE	O	C	Enable output for external IC

KEX-P8256ZT,P8256ZT-91,P8156ZT,P8156ZT-E

Pin No.	Pin Name	I/O	Output Format	Function and Operation
66	EXLD	O	C	Load output for external IC
67	EJECT	I		Eject key input pin
68	VDD			Power supply
69,70	X2,X1			Crystal oscillating element connection pin
71	IC			Not used
72	XT2			Not used
73	RDSRDY	I		Ready input from RDS IC
74	AVDD			Power supply
75	AVREF0	I		A/D converter reference voltage
76	SL	I		Signal level input from tuner
77	BASS	I		A/D converter input from BASS volume
78	MID	I		A/D converter input from MID volume
79	TRE	I		A/D converter input from TREBLE volume
80	BAL	I		A/D converter input from BALANCE volume

*PD4496B

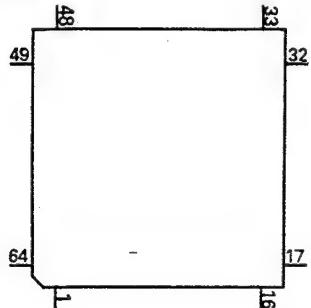


Output Format	Meaning
C	C MOS output

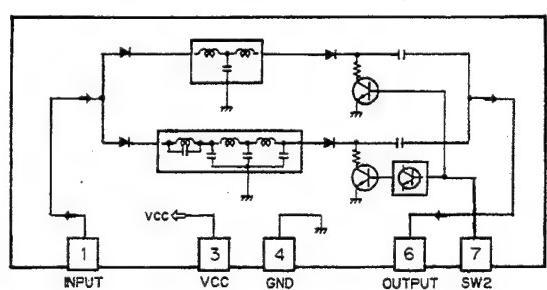
● Pin Functions (LC75821W)

Pin No.	Pin Name	I/O	Function and Operation
1-23	SEG1-23	O	LCD segment output
24	NC		Not used
25-54	SEG24-53	O	LCD segment output
55	OSCIN	I	Oscillating element connection pin
56	SWD5V		LCD bias voltage setup input
57	LINH	I	Inhibit input
58	SWD5V		LCD bias voltage setup input
59	VSS		GND
60	LCE	I	Chip enable input
61	EXCK	I	Clock input
62	DATA	I	Data input
63,64	COM1,2	O	LCD common output

*LC75821W



CWV1041



● FM Front End (CWB1070) (KEX-P8256ZT/EW,AU,ES,KEX-P8156ZT/EW,ES)

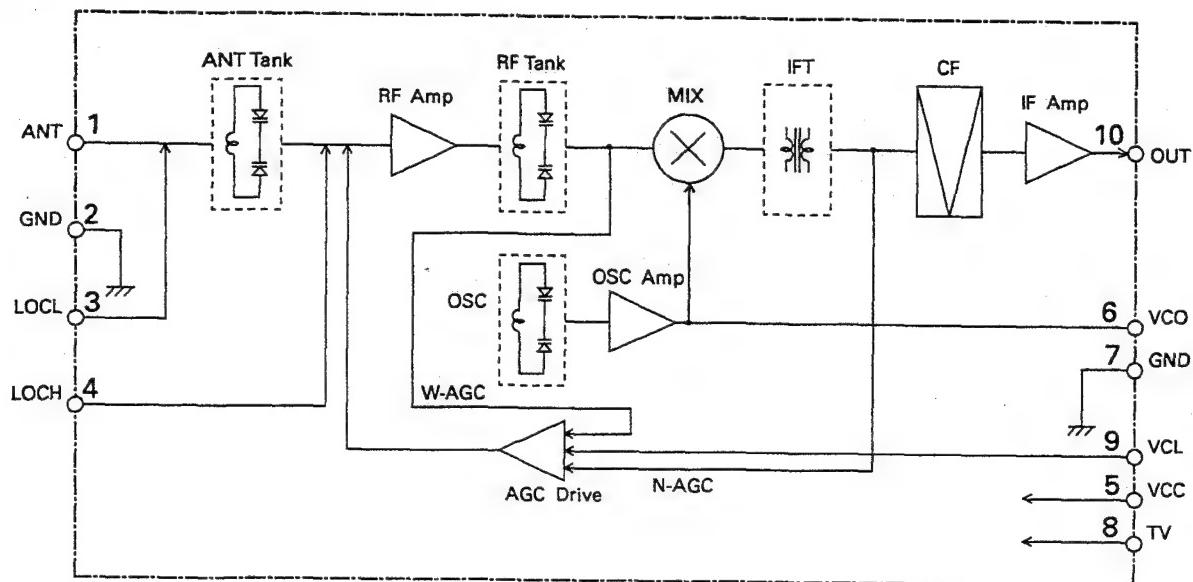


Fig.32

● FM Front End (CWB1059) (KEX-P8156ZT/UC)

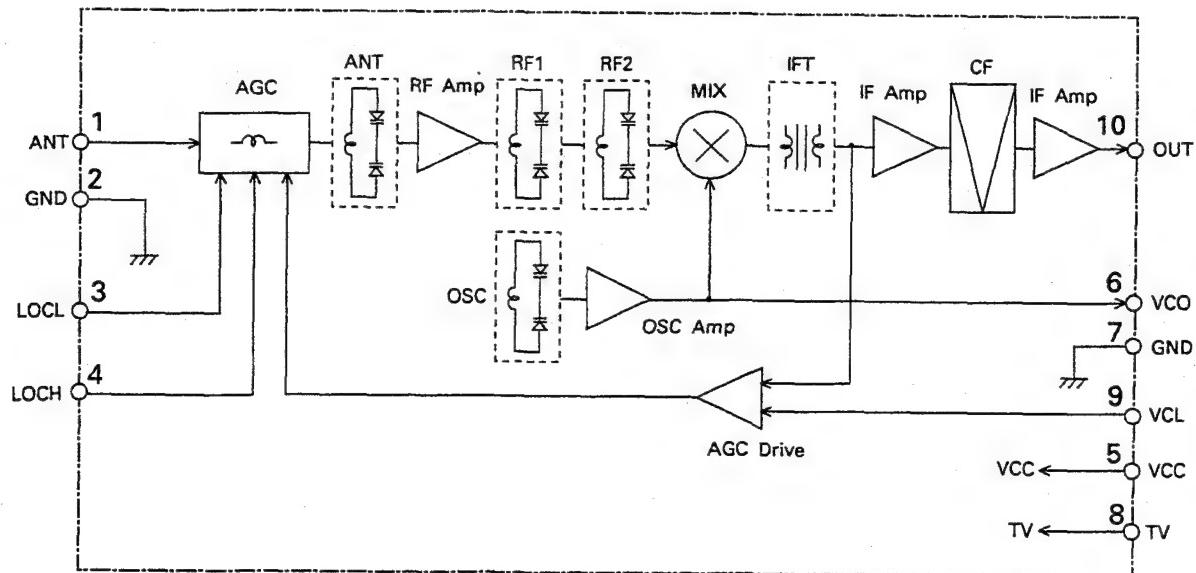


Fig.33

9. EXPLODED VIEW PARTS LIST

NOTE:

● Parts marked by “*” are generally unavailable because they are not in our Master Spare Parts List.

● Chassis (KEX-P8256ZT/EW)(Exploded View:Page 2-5)

Mark No.	Description	Part No.	Mark No.	Description	Part No.
1	Screw	BMZ26P050FMC	21	Holder	CNC4983
2	Screw	BMZ30P060FMC	22	.....
3	Case	CNB1759	23	AM(MW/SW) Unit	CWA1079
4	Spacer	CNM3909	24	AM Noise Canceller Unit	CWA1085
5	Main Unit	CWM3550	25	FM Unit	CWE1343
* 6	Chassis Unit	CXA5778	26	Plug(CN201)	CKS1607
* 7	Grille Assy	CXA6829	27	Plug(CN202)	CKS1615
* 8	Cassette Mechanism Module	EXK3030	28	Holder	CNC5060
* 9	Screw	PMS30P060FMC	29	Plug(CN250)	CKS1606
* 10	Screw	BMZ30P060FMC	* 30	Holder	CNC3881
11	Connector(CN703)	CDE4128	31	Plug(CN2)	CKS1607
12	Connector(CN852)	CKM1124	32	Plug(CN1)	CKS1616
13	Connector(CN951)	CKM1127	33	Holder	CNC4666
14	Connector(CN851)	CKM1206	34	FM Front End(FE101)	CWB1070
15	Connector(CN401)	CKS2628	35	Transistor(Q958,959)	2SB942
16	Connector(CN701,702)	CKS2657	36	IC(IC951)	TA8214K
17	Connector(CN402)	CKS2752	37	.....
18	Connector(CN652,653)	CKS3008	38	.....
19	Antenna Jack(CN651)	CKX1041	39	.....
20	Holder	CNC4981	40	.....
			41	.....
			42	.....

● The KEX-P8156ZT/EW, UC, ES, KEX-P8256ZT/AU, and KEX-P8256ZT/ES Parts Lists enumerate the parts which differ from those enumerated in the KEX-P8256ZT/EW Parts List only. The parts other than those enumerated in the former are identical with those in the latter, to which you are requested to refer, accordingly.

Mark No.	Description	P8256ZT/EW	P8156ZT/EW	P8156ZT/UC	P8256ZT/AU	P8256ZT/ES	P8156ZT/ES
		Part No.	Part No.	Part No.	Part No.	Part No.	Part No.
*	5 Main Unit	CWM3550	CWM3549	CWM3547	CWM3553	CWM3554	CWM3552
*	7 Grille Assy	CXA6829	CXA6826	CXA6825	CXA6828	CXA6830	CXA6827
*	8 Cassette Mechanism Module	EXK3030	EXK3030	EXK3040	EXK3030	EXK3030	EXK3040
*	19 Antenna Jack(CN651)	CKX1041	CKX1041	CKX1024	CKX1024	CKX1041	CKX1041
*	23 AM(MW/SW) Unit	CWA1079	CWA1079	CWA1078	CWA1076	CWA1075	CWA1077
*	24 AM Noise Canceller Unit	CWA1085	CWA1085	CWA1085	.....	CWA1085	CWA1085
*	25 FM Unit	CWE1343	CWE1343	CWE1342	CWE1345	CWE1345	CWE1345
*	29 Plug(CN250)	CKS1606	CKS1606	CKS1606	.....	CKS1606	CKS1606
*	30 Holder	CNC3881	CNC3881	CNC3881	.....	CNC3881	CNC3881
34	FM Front End(FE101)	CWB1070	CWB1070	CWB1059	CWB1070	CWB1070	CWB1070
37	AM Stereo Unit	.....	.....	.....	CWA1066	.....	.....
38	Connector(A)	.....	.....	.....	CKS2630	.....	.....
39	Holder	.....	.....	.....	CNC2276	.....	.....
42	Insulator	.....	.....	CNM3975	.....	.....	.....

KEX-P8256ZT,P8256ZT-91,P8156ZT,P8156ZT-91

● Grille Assy (KEX-P8256ZT/EW)(Exploded View:Page 2-3)

Mark No.	Description	Part No.	Mark No.	Description	Part No.
1	Screw	BPZ26P100FMC	26	Grille Unit	CXA7697
2	Button(EJECT)	CAC3708	27	Door	CAT1630
3	Button(1 2)	CAC3710	28	Spring	CBH1371
4	Button(3 4)	CAC3711	29	Connector(CN904)	CKS2276
5	Button(5 6)	CAC3712	30	Connector(CN905)	CKS2626
6	Button(TAPE)	CAC3717	31	Connector(CN901,902)	CKS2647
7	Button(TI)	CAC3800	32	Holder	CNC4980
8	Button(NF)	CAC3801	33	Rubber	CNV3649
9	Button(UKW)	CAC3804	34	Rubber	CNV3650
10	Button(LW/MW)	CAC3805	35	Rubber	CNV3651
11	Button(CD)	CAC3808	36	LCD	CAW1294
12	Button(PSCAN SCAN)	CAC3867	37	Plug(CN903)	CKS1042
13	Button	CAC4052	38	Holder	CNC5182
14	Nut	CBN1008	39	P.C.Board	CNP3493
15	Holder	CNC4979	40	Clamper	CNV3652
16	Lens	CNV3644	41	Holder	CNV3653
17	Holder	CNV3645	42	Volume(VR901-905)	CCS1224
18	Holder	CNV3646	43	Volume(S901)	CCS1106
19	Holder	CNV3647	44	.....
20	Holder	CNV3648	45	.....
21	Lens	CNV3657	46	Holder	CNV3647
22	Key Board Unit	CWM3599	47	Holder	CNV3647
23	LCD Unit	CWM3736			
24	Knob Assy	CXA6411			
25	Knob Assy	CXA6412			

- The KEX-P8256ZT/AU, and KEX-P8256ZT/ES Parts Lists enumerate the parts which differ from those enumerated in the KEX-P8256ZT/EW Parts List only. The parts other than those enumerated in the former are identical with those in the latter, to which you are requested to refer, accordingly.

Mark No.	Description	KEX-P8256ZT/EW	KEX-P8256ZT/AU	KEX-P8256ZT/ES
		Part No.	Part No.	Part No.
7	Button(TI)	CAC3800	CAC4129(AM MONO)	.....
8	Button(NF)	CAC3801	.....	.....
9	Button(UKW)	CAC3804	CAC3718(FM1/2)	CAC3718(FM1/2)
10	Button(LW/MW)	CAC3805	CAC3714(AM)	CAC3714(AM)
22	Key Board Unit	CWM3599	CWM3555	CWM3556
24	Knob Assy	CXA6411	CXA6410	CXA6410
25	Knob Assy	CXA6412	.....	.....
26	Grille Unit	CXA7697	CXA7698	CXA7699
27	Door	CAT1630	CAT1631	CAT1629
43	Volume(S901)	CCS1106	.....	.....
44	Pulse Switch(S926)	.....	CSD1019	CSD1019
45	Knob Assy	.....	CXA6409	CXA6409
46	Holder	CNV3647	CNV3647	.....
47	Holder	CNV3647	.....	.....

KEX-P8256ZT,P8256ZT-91,P8156ZT,P8156ZT-9

● Grille Assy (KEX-P8156ZT/EW)(Exploded View:Page 2-4)

Mark No.	Description	Part No.	Mark No.	Description	Part No.
1	Screw	BPZ26P080FMC	26	Grille Unit	CXA7693
2	Button(EJECT)	CAC3708	27	Door	CAT1627
3	Button(1 2)	CAC3710	28	Spring	CBH1371
4	Button(3 4)	CAC3711	29	Connector(CN904)	CKS2276
5	Button(5 6)	CAC3712	30	Connector(CN905)	CKS2626
6	Button(PSCAN SCAN)	CAC3713	31	Connector(CN901,902)	CKS2647
7	Button(TAPE)	CAC3717	32	Holder	CNC4980
8	Button(TI)	CAC3800	33	Rubber	CNV3649
9	Button(NF)	CAC3801	34	Rubber	CNV3650
10	Button(UKW)	CAC3804	35	Rubber	CNV3651
11	Button(LW/MW)	CAC3805	36	LCD	CAW1293
12	Button(CD)	CAC3808	37	Plug(CN903)	CKS1042
13	Button	CAC4052	38	Holder	CNC5182
14	Nut	CBN1008	39	P.C.Board	CNP3493
15	Holder	CNC4979	40	Clamper	CNV3652
16	Lens	CNV3644	41	Holder	CNV3653
17	Holder	CNV3645	42	Volume(VR901-905)	CCS1224
18	Holder	CNV3646	43	Volume(S901)	CCS1106
19	Holder	CNV3647	44	.....
20	Holder	CNV3648	45	.....
21	Lens	CNV3657	46	Holder	CNV3647
22	Key Board Unit	CWM3600			
23	LCD Unit	CWM3714			
24	Knob Assy	CXA6411			
25	Knob Assy	CXA6412			

● The KEX-P8156ZT/UC, and KEX-P8156ZT/ES Parts Lists enumerate the parts which differ from those enumerated in the KEX-P8156ZT/EW Parts List only. The parts other than those enumerated in the former are identical with those in the latter, to which you are requested to refer, accordingly.

Mark No.	Description	KEX-P8156ZT/EW	KEX-P8156ZT/UC	KEX-P8156ZT/ES
		Part No.	Part No.	Part No.
8	Button(TI)	CAC3800	.....	.....
9	Button(NF)	CAC3801	.....	.....
10	Button(UKW)	CAC3804	CAC3718(FM1/2)	CAC3872(FM)
11	Button(LW/MW)	CAC3805	CAC3714(AM)	CAC3806(AM/SW)
22	Key Board Unit	CWM3600	CWM3557	CWM3558
24	Knob Assy	CXA6411	CXA6408	CXA6410
25	Knob Assy	CXA6412	.....	.....
26	Grille Unit	CXA7693	CXA7692	CXA7694
27	Door	CAT1627	CAT1326	CAT1628
43	Volume(S901)	CCS1106	CCS1106	.....
44	Pulse Switch(S926)	.....	.....	CSD1019
45	Knob Assy	.....	CXA6409	CXA6409
46	Holder	CNV3647	.....	.....

KEX-P8256ZT,P8256ZT-91,P8156ZT,P8156ZT-91
● Cassette Mechanism Module (KEX-P8256ZT/EW)(Exploded View:Page 2-7)

Mark No.	Description	Part No.	Mark No.	Description	Part No.
1			46 Gear		ENV1423
2 Screw		BSZ20P040FMC	47 Collar		ENV1349
3 Screw(M2x4)		CBA1015	48 Gear		ENV1350
4 Washer		CBF1037	49 Gear		ENV1351
5 Washer		CBF1038	50 Gear		ENV1354
6 Washer		CBG1003	51 Gear		ENV1355
7			52 Gear		ENV1357
8 Deck Unit		CWM3709	53 Gear		ENV1358
9 Spring		EBH1458	54 Gear		ENV1359
10 Spring		EBH1434	55 Clamper		ENV1360
11 Spring		EBH1435	56 Clamper		ENV1361
12 Spring		EBH1437	57 Arm		ENV1362
13 Spring		EBH1464	58 Gear		ENV1363
14 Spring		EBH1439	59 Flywheel		ENV1410
15 Spring		EBH1440	60 Head Assy		EXA1364
16 Spring		EBH1441	61 Arm Unit		EXA1276
17 Spring		EBH1442	62 Arm Unit		EXA1277
18 Spring		EBH1443	63 Motor Unit		EXA1335
19 Spring		EBH1446	64 Motor Unit		EXA1279
20			65 Head Base Unit		EXA1340
21 Spring		EBL1016	66 Gear Unit		EXA1281
22 Connector(CN252)		CKS2127	67 Guide Unit		EXA1356
23 Photo-Interrupter		EGN1002	68 Chassis Unit		EXA1339
24 Roller		ELA1281	69 Pinch Roller Unit		EXA1284
25 Shaft		ELA1282	70 Pinch Roller Unit		EXA1285
26 Roller		ELA1283	71 Reel Unit		EXA1306
27 Cover		ENC1307	72 Arm Unit		EXA1338
28 Connector(CN251)		CKS1711	73 Sub Chassis Unit		EXA1312
29 Connector(CN253)		CKS2129	74 Arm Unit		EXA1289
30 Arm		ENC1310	75 Spare Unit		EXA1367
31 Arm		ENC1311	76 Screw		HBA-147
32 Lever		ENC1312	77 Washer		HBF-179
33 Holder		ENC1365	78 Screw		JGZ20P025FNI
34 Cover		ENC1372	79 Screw		CBA1031
35 Lever		ENC1315	80 P.C.Board Unit		EWM1003
36 Lever		ENC1353	81		
37 Bracket		ENC1317	82 Washer		YE15FUC
38 Arm		ENC1335	83 Washer		YE20FUC
39 P.C.Board		ENP1109	84 Washer		YE25FUC
40 P.C.Board		ENP1120	85 Frame Unit		EXA1290
41 P.C.Board		ENP1119	86 Lever		ENC1308
42 Roller		ENR1023	87 Lever		ENC1309
43 Belt		ENT1027	88 Screw		EBA1033
44 Gear		ENV1422	89 Spring		ELB1020
45 Gear		ENV1347	90 Screw		JFZ17P025FNI
			91 Cover		ENC1351

KEX-P8256ZT,P8256ZT-91,P8156ZT,P8156ZT-9

- The KEX-P8156ZT/EW, UC, ES, KEX-P8256ZT/AU, and KEX-P8256ZT/ES Parts Lists enumerate the parts which differ from those enumerated in the KEX-P8256ZT/EW Parts List only. The parts other than those enumerated in the former are identical with those in the latter, to which you are requested to refer, accordingly.

Mark No.	Description	P8256ZT/EW	P8156ZT/EW	P8156ZT/UC	P8256ZT/AU	P8256ZT/ES	P8156ZT/ES
		Part No.	Part No.	Part No.	Part No.	Part No.	Part No.
8	Deck Unit	CWM3709	CWM3709	CWM3710	CWM3709	CWM3709	CWM3710

10. ELECTRICAL PARTS LIST

NOTE:

- Parts whose parts numbers are omitted are subject to being not supplied.
- The part numbers shown below indicate chip components.

Chip Resistor

RS1/OS000J, RS1/OOS000J

Chip Capacitor (except for CQS....)

CKS....., CCS....., CSZS.....

=====Circuit Symbol & No. Part Name=====		Part No.	=====Circuit Symbol & No. Part Name=====		Part No.
Unit Number : CWA1079			CAPACITORS		
Unit Name : AM Unit			C 201 216 225 234		CKSQYB103K25
MISCELLANEOUS			C 203		CSA3R3M16
IC 201		PAF001A	C 204 239		CKSQYB223K25
Q 201		2SK435	C 205		CCSRCH120J50
Q 202		2SC4116	C 206		CCSQCH560J50
Q 204		2SC2412K	C 207		CCSQCH680J50
Q 206		HN1C01FU	C 208		CKSQYB223K25
Q 231		DTC124EU	C 211		CEAR47M50LL
Q 232		DTC124EU	C 212		CKSQYB332K50
D 201 204		ISS226	C 213		CCSQCH330J50
D 205		SVC203CP	C 215 240 245		CKSQYB473K16
L 201	Inductor	CTF1287	C 218		CKSQYB473K16
L 202	Coil	CTB1102	C 220		CCSRCH430J50
L 203	Inductor	LAU390K	C 221		CCSQCH120J50
L 204	Ferri-inductor	LAU680K	C 224		CEA470M16LL
L 205	Inductor	CTF1198	C 229		CEA101M10LL
L 206	Inductor	CTF1197	C 230		CKSQYB682K50
T 203	Coil	CTB1040	C 231		CCSRCH100D50
T 204	Coil	CTE1079	C 232 241 244		CKSQYB103K25
T 205	Coil	CTE1100	C 235		CEA1R5M50LL
T 206	Coil	CTE1072	C 236		CEA0R1M50LL
CF 201		CTF1262	C 237		CEA4R7M35LL
CF 202	Filter	CTF1085	C 238		CEA3R3M50LL
X 201	Crystal Resonator 10.26MHz	CSS1111	C 242		CCSQCH030C50
VR 201	Semi-fixed 4.7kΩ(B)	CCP1179	Unit Number : CWA1085		
VR 202	Semi-fixed 15kΩ(B)	CCP1182	Unit Name : AM Noise Canceller Unit		
RESISTORS			MISCELLANEOUS		
R 200		RD1/4PS103JL	IC 250		HA12429MP
R 201		RS1/16S220J	Q 250		2SC4116
R 202 230 233		RS1/10S102J	Q 251 252 253		2SC4116
R 204		RS1/10S472J	T 250	Coil	CTB1078
R 205 209		RS1/10S470J	VR 250	Semi-fixed 10kΩ(B)	CCP1154
R 207 237 238 241		RS1/10S103J	RESISTORS		
R 208 220 221 245 250		RS1/10S0R0J	R 250 263		RS1/10S103J
R 211 213		RS1/16S103J	R 251 252		RS1/10S472J
R 215 234		RS1/16S0R0J	R 253		RS1/10S822J
R 218		RS1/10S0R0J	R 254		RS1/10S332J
R 229		RS1/10S101J	R 255 270		RS1/10S223J
R 231		RS1/10S823J			RS1/10S274J
R 235		RS1/16S104J	R 256		RS1/10S224J
R 236 242		RS1/10S103J	R 257		RS1/10S473J
R 239		RS1/10S152J	R 258 269		RS1/10S682J
R 240		RS1/10S393J	R 259 260		RS1/10S223J
R 243		RS1/10S152J	R 261		RS1/10S223J
R 244		RS1/10S242J	R 262		RS1/10S223J
R 248		RS1/10S222J	R 264		RS1/10S183J
R 249		RS1/10S225J	R 265		RS1/10S184J
			R 266		RS1/10S105J
			R 271		RS1/10S103J
			R 272		RS1/10S432J

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====Circuit Symbol & No. Part Name=====			Part No.	====Circuit Symbol & No. Part Name=====	Part No.
CAPACITORS				R 75 104	RS1/10S102J
C 250	253	266	CKSQYB103K50	R 76	RS1/10S151J
C 251			CKSQYB391K50	R 101	RS1/16S681J
C 252			CKSQYB102K50	R 102	RS1/16S223J
C 255			CEV220M16	R 106 172	RS1/10S104J
C 256			CEV010M50	R 108	RS1/10S333J
C 257			CKSQYF683Z25	R 111	RS1/10S183J
C 258	259	274	CKSQYB333K25	R 121	RS1/10S473J
C 260			CEVR33M50	R 122	RS1/10S104J
C 261			CCSQCH430J50	R 123	RS1/10S154J
C 262			CKSQYB102K50	R 127	RS1/10S333J
C 263			CEV4R7M35	R 143	RS1/10S393J
C 264			CEV100M16	R 144	RS1/10S103J
C 265			CEV330M10	R 146 174	RS1/10S153J
C 267			CCSQCH181J50	R 151 152	RS1/10S392J
C 268			CCSQCH471J50	R 153	RS1/10S222J
C 269			CCSQCH331J50	R 154	RS1/10S124J
C 270	271		CKSQYB103K50	R 180	RS1/10S335J
C 272			CKSQYB332K50		CAPACITORS
C 273			CEV101M10		
C 275			CKSQYF104Z25	C 1 111	CEA100M16LL
Unit Number : CWE1343				C 2 59	CKSQYB473K16
Unit Name : FM Unit				C 10 54	CCSQCH101K50
				C 21 72	CKSQYB103K25
				C 51	CKSQYB473K16
MISCELLANEOUS				C 52 53 61	CKSRYB223K25
IC 51			PA4021A	C 57	CSZSR33M35
Q 1	5	51	DTC124EU	C 58	CCSQCH040C50
Q 3			2SA1586	C 60	CEA100M10NPLL
Q 71	171		2SC4116	C 101	CKSRYB682K50
Q 123				C 102	CKSQYB682K50
L 1	51		Ferri-Inductor	C 103	CKSQYB152K50
L 2			Ferri-Inductor	C 105	CEA1R5M50LL
L 71				C 106	CEA0R1M50LL
L 101			Inductor	C 107	CKSRYB222K50
T 51			Coil	C 108	CKSQYB222K50
				C 110	CKSYB224K16
T 52			CTE1022	C 112	CKSYB183K25
T 71			CTE1043	C 122	CKSQYB104K16
TH 51			CCX1024	C 124	CSZS1R5M10
TH 102			CCX1015		
CF 52	53		Thermistor		
			Filter		
			CTF1057	C 128	CKSQYB332K50
X 151			Ceramic Resonator	C 151 152	CKSQYB153K25
VR 1			Semi-fixed 22kΩ (B)	C 153	CKSYB474K16
VR 51			Semi-fixed 10kΩ (B)	C 154 155 156	CEA3R3M50LL
VR 101			Semi-fixed 68kΩ (B)	C 157	CEA101M10LL
VR 102			Semi-fixed 33kΩ (B)		
VR 103				C 171	CKSQYB563K25
FE 101			Semi-fixed 1kΩ (B)	C 173	CKSQYB104K16
			FM Front End	C 180	CEA2R2M50LL
RESISTORS					
R 4			RS1/10S0R0J		Main Unit
R 5			RS1/10S223J		Consists of
R 6	10	12	RS1/10S0R0J		Tuner P.C.Board
R 7			RS1/10S560J		Control P.C.Board
R 23	61		RS1/10S682J		
R 24	72	105	RS1/10S123J		Unit Number : CWM3550
R 25			RS1/10S243J		Unit Name : Main Unit
R 54			RS1/10S822J		
R 56	173		RS1/10S473J		MISCELLANEOUS
R 57			RS1/10S472J		
R 58			RS1/16S203J	IC 402 404 851	XRA4558F-P
R 59			RS1/16S331J	IC 403	SA572D
R 60			RS1/10S153J	IC 405	PMJ002A
R 73			RS1/10S103J	IC 501	LC72140M
R 74			RS1/10S331J	IC 601	PMR001B
					SC14SU69F
					PD0179B
					PD4496B
					PDH004A
					S-80740AND4I

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====Circuit Symbol & No. Part Name=====		Part No.	====Circuit Symbol & No. Part Name=====		Part No.
IC 704		MB88306PF	R 431	432 663	RS1/10S273J
IC 705		PA0051AM	R 433	434 702 821 822 955 1061 1062 1063	RS1/10S101J
IC 852 853 854 855		UPC4570G	R 435	436	RS1/10S361J
IC 951		TA8214K	R 437		RS1/10S152J
Q 503 509 511 602 651 680 681 682		2SC2712	R 438	439	RS1/10S511J
Q 504 687 689 709 715 952		DTA114EK	R 440	441	RS1/10S181J
Q 505 688		DTC124EK	R 442	796 800 805 809 814	RS1/10S153J
Q 508 512		2SK208	R 501	510 511 736 737 738 739 828 832	RS1/10S473J
Q 510		2SC3098	R 502	503 504 505 519 521 537 606 607 608	RS1/10S102J
Q 683 684 685 686		DTC343TK	R 509	651	RS1/10S0R0J
Q 702 704 706 710 712 716 724 726 966 969	2SB1260		R 512	641 642 710 716 781 786 787 788 789	RS1/10S222J
Q 703 705 707 711 713 717 729 731 733 740	2SA1162		R 518	680 688 689 692 693 995	RS1/10S103J
Q 708		DTC123YK	R 520	523 534 649 695 697 990	RS1/10S102J
Q 714		DTC143EK	R 525		RS1/10S182J
Q 718 730 970		DTC114EK	R 526		RS1/10S821J
Q 719 720 722 723		DTA144EK	R 527		RS1/10S101J
Q 725 727 732 741		DTC144EK	R 528		RS1/10S680J
Q 728		2SB1184F5	R 529		RS1/10S331J
Q 951 962 968		2SA1162	R 530		RS1/10S330J
Q 953 955		2SC3651	R 533		RS1/10S0R0J
Q 954 957		2SC2712	R 536		RS1/10S152J
Q 958 959		2SB942	R 539		RS1/10S102J
Q 960		2SD1767	R 603	953	RS1/10S472J
Q 961		2SC2712	R 604	605 661 682 683	RS1/10S333J
Q 965 967		2SC2712	R 609		RS1/10S681J
Q 972		2SB1243	R 610	612 614 616 618 620 622 626 627 630	RS1/10S102J
Q 973		2SC2712	R 617	619 621 623 624 698 725 726 727 753	RS1/10S473J
Q 974 975 976 977		2SC2712	R 629		RS1/10S105J
D 401 402 403 404 953	MA153-MC		R 631	632 633 634 635 637 639 643 645 658	RS1/10S102J
D 502 503	MA8027H		R 657	837 992 1003	RS1/10S472J
D 601		MA8056H	R 659	660 873 874 889 890	RS1/10S392J
D 652 680 681 712 713 965	MA151WK-MT		R 662		RS1/10S223J
D 704 707 715 716 717 718 719 964	MA151K-MH		R 686	687 690 691 851 852 853 854	RS1/10S561J
D 708 709 714	MA3180M		R 696		RS1/10S683J
D 710 711	ERA15-10		R 699		RS1/10S221J
D 951		MA8056M	R 701	706 707 708 709 711 712 713 730 731	RS1/10S102J
D 952		ERA15-02	R 704		RS1/10S0R0J
D 954		MA3100H	R 714	715 795 799 804 808 813	RS1/10S471J
D 955 957		MA8082M	R 718	728 729 801 810 815 825 826 829 830	RS1/10S103J
D 958		MA8043H	R 720		RS1/10S222J
D 959 960 961		MA8075M	R 721	722 723 724 771 773 774 997 999 1001	RS1/10S104J
D 962		MA3200MH	R 732	734 735 740 741 742 743 744 745 746	RS1/10S102J
D 963		GP30ML-6373	R 747	748 749 750 751 752 759 760 763 764	RS1/10S102J
L 501	Inductor	LCYA150K3225	R 754	755 756 757 758 762 776 777 778 779	RS1/10S473J
L 502	Inductor	LCYA1R0M3225	R 761		RS1/10S681J
L 601 602 670	Coil	LCYA101K3225	R 765	766 767 768 769 770 775 782 784 793	RS1/10S102J
L 951	Inductor	LCTA100K4532	R 780	783 785 818 839 847 859 860 861 862	RS1/10S473J
L 952	Choke Coil	CTH1069	R 790	791 835 956 959 978 982	RS1/10S222J
X 501	Crystal Resonator 4.5MHz	CSS1011	R 792		RS1/10S3R3J
X 601	Crystal Resonator 4.332MHz	CSS1056	R 794	798 803 807 812	RS1/10S2R2J
X 701	Ceramic Resonator 6.29MHz	CSS1305	R 797	802 806 811 816 817 838 841 849 981	RS1/10S102J
VR 650	Semi-fixed 2.2kΩ(B)	CCP1177	R 823	824	RS1/10S121J
EF 951		CCG1006	R 827	831	RS1/4S221J
AR 651		DSP-201M	R 833		RS1/10S2R7J
	AM Unit	CWA1079	R 834	845 846 875 876 877 878 891 892 893	RS1/10S103J
	AM Noise Canceller Unit	CWA1085	R 840	848	RS1/8S222J
	FM Unit	CWE1343	R 842		RS1/8S102J
RESISTORS			R 855	856 857 858	RS1/10S241J
R 403 404		RS1/10S512J	R 863	864 865 866 989 993 996 998 1000 1002	RS1/10S473J
R 405 406		RS1/10S224J	R 867	868 869 870 883 884 885 886	RS1/10S332J
R 409 410		RS1/10S562J	R 871	872 887 888	RS1/10S242J
R 411 412 613 615 625 628 636 638 640 717	RS1/10S104J		R 879	881 882 895 896 897 898	RS1/10S510J
R 413 414 611 960 965	RS1/10S223J		R 880		RS1/10S510J
R 415 416		RS1/10S332J	R 894	951 952 962 966 967 969 970 971 973	RS1/10S103J
R 423 424 443		RS1/10S123J	R 954		RS1/10S6R8J
R 425 426 508 513 522 535 681 684 685 719	RS1/10S222J		R 961		RS1/2S221J
R 427 428		RS1/10S752J	R 963	964	RS1/2S1R0J
R 429 430		RS1/10S183J	R 968		RS1/10S123J
			R 972	975	RS1/4S821J
			R 974	991 1004	RS1/8S472J

KEX-P8256ZT,P8256ZT-91,P8156ZT,P8156ZT-9

=====Circuit Symbol & No. Part Name=====		Part No.	=====Circuit Symbol & No. Part Name=====		Part No.
R 979		RS1/10S4R7J	C 875	876 877 878 889 890 891 892	CKSQYB223K25
R 980	983 1054 1055 1056 1057	RS1/10S103J	C 886	887 888 953 992	CEA100M16LL
R 987	1058 1059 1060	RS1/10S102J	C 951	957 965 980 987 995 996 997	CKSQYB103K25
R 994		RS1/2S681J	C 955	0.1F/5.5V	CCL1023
R 1005	1007	RS1/8S222J	C 956	971 978 983	CEA101M10LL
R 1006		RS1/8S103J	C 961	962	CEA010M50LL
R 1008		RS1/10S224J	C 964		CEA470M10LL
R 1051	1052	RS1/10S473J	C 977		CKSQYB103K25
R 1071	1072 1073 1074 1075 1076 1077 1078	RS1/10S470J	C 982	984	CEA470M16LL
CAPACITORS			C 990	2200 μ F/16V	CCH1001
C 401	402 409 410 415 416 419 420 423 427	CEA100M16LL	C 998	470 μ F/16V	CCH1183
C 403	404 450 451 505 506	CCSQCH101J50	C 999	1000	CKSQYB223K50
C 405	406 413 701 960	CEA220M16LL	Key Board Unit Consists of Key Board Volume P.C.Board Encoder P.C.Board		
C 407	408 454 970	CKSQYB104K25			
C 411	412	CEA4R7M35LL			
C 414	424 857 858 859 860	CEA2R2M50LL			
C 417	418 444 445	CEA2R2M50NPLL			
C 421	422	CCSQCH470J50			
C 425	426	CKSQYB272K50			
C 428	429 430 452 453 871 872 873 874 885	CEA100M16LL			
C 431	432	CEA3R3M50LL	S 901	Volume	CCS1106
C 433	434	CKSQYB152K50	IL 903	904 905 906	CEL1343
C 435	504 615 618 619 621 626 702 703 704	CKSQYB103K25	IL 907	908 909 910	CEL1343
C 436	437	CKSQYB682K50	IL 911	912 913 914	CEL1343
C 438	439	CKSQYB222K50	IL 915	916	CEL1343
C 440	441	CKSYB124K16	IL 916	Lamp 8V 60mA	CEL1375
C 442	443	CKSQYB682K50	VR 901	902 903 904	Volume 50k Ω (B)
C 448	449	CKSQYB823K25	VR 905		CCS1224
C 455	614 623 705 706 707 708 709 710 711	CKSQYB102K50			CCS1224
C 501	507	CCSQCH120J50			
C 502	696 851 852 853 854	CKSQYB102K50			
C 503	612 622	CKSQYB223K25			
C 508	519 611 620	CEAS100M16			
C 509	515 518 520 522 523 603 625 668 669	CKSQYB103K25			
C 510	602	CEA1R5M50LL			
C 513		CGCYX473K25	IC 251		HA12163
C 514		CFTNA474J50	IC 351		PA2020A
C 516		CCSQCH561J50	Q 271		2SC4116
C 517		CCSQCH101J50	Q 351		2SB1260
C 521	4.7 μ F/16V	CCH1165	Q 352		2SC4102
C 524		CKCYB472K50	D 351		MA141K-MH
C 601	695	CKSQYB472K50	VR 301 302	Semi-fixed 33k Ω (B)	CCP1130
C 604		CEASR33M50			
C 605	671 673 952 979 981 989	CKSQYB473K25			
C 606		CSZA100K10			
C 607		CKSQYB472K50	R 251	252 253 254	RS1/10S134J
C 608	609	CEAS010M50	R 255	256	RS1/10S181J
C 610	682 683 684 685	CEASR3R3M50	R 257	258 271	RS1/10S183J
C 613		CKSQYB103K25	R 259	260	RS1/10S133J
C 616	617	CCSQCH150J50	R 261	262 403 405	RS1/10S274J
C 624	718 719 720 721 954 958 959 991 994	CKSQYB473K25	R 272	273 322	RS1/10S223J
C 663		CEASR22M50	R 274	358 359	RS1/10S103J
C 684	665	CKSQYB393K25	R 275		RS1/10S473J
C 666		CKSQYB273K25	R 276	278	RS1/10S104J
C 670	674 675 966 967 968 969 974 975 976	CKSQYB103K25	R 277		RS1/10S224J
C 672		CEAS470M16	R 279	280 402	RS1/10S223J
C 677	678	CKSQYB102K50	R 351	352	RS1/10S102J
C 680		CKSQYB153K25	R 353	354 360	RS1/10S102J
C 681		CKSQYB682K50	R 355		RS1/10S274J
C 687		CEAS101M16	R 356		RS1/10S202J
C 712	713 716 717 722	CKSQYB102K50	R 357		RS1/10S472J
C 714	715	CCSQCH471J50	R 361		RS1/10S622J
C 861	862 863 864	CCSQCH100D50	R 401		RS1/10S273J
C 865	866 879 880	CEA100M10NPLL	R 404		RS1/10S823J
C 867	868 869 870 881 882 883 884	CCSQCH181J50			

KEX-P8256ZT, P8256ZT-91, P8156ZT, P8156ZT-91

=====Circuit Symbol & No. Part Name=====				Part No.	=====Circuit Symbol & No. Part Name=====				Part No.
CAPACITORS									
C 251	252	253	254	CKSQYB471K50	R 901	902			RS1/10S473J
C 255	256	353	356	CKSQYB103K50	R 903	904	905	906	RS1/10S102J
C 257	258			CEVNP010M50					
C 271				CEV010M50					
C 272				CKSQYB104K25					
C 301	302			CEVNPR47M50	C 901	902			CCSQCH681J50
C 309	310			CKSQYB104K16	C 903	904			CKSQYB103K25
C 351				CKSYB224K25	C 905	906			CKSQYB473K25
C 352				CKSQYB392K50	C 907	908			CKSQYB102K50
C 354				CKSQYB473K50					
C 355				CKSYB104K50					
C 401				CKSQYB182K50	S 1	2			ESN1013
C 402				CKSQYB822K50	EGN 1	2			GGC1066
C 403				CKSQYB333K50	R 1				RS1/8S271J
C 404				CKSQYB471K50	R 2				RS1/8S681J
Unit Number : CWM3736				Unit Number : EWM1003					
Unit Name : LCD Unit				Unit Name : P.C.Board Unit					
MISCELLANEOUS									
IC 901	902	Lamp 8V 100mA	LC75821W	EGN 3	Miscellaneous Parts List				EGN1002
IL 901	902	LCD	CEL1342	M 1	Photo-Interrupter				EXA1335
			CAW1294	M 2	(70 μS,Load)				EXA1279
				HD 1	Photo-Interrupter (NJL5181KA-F10)				EXA1364

- The KEX-P8156ZT/EW, UC, ES, KEX-P8256ZT/AU, and KEX-P8256ZT/ES Parts Lists enumerate the parts which differ from those enumerated in the KEX-P8256ZT/EW Parts List only. The parts other than those enumerated in the former are identical with those in the latter, to which you are requested to refer, accordingly. The KEX-P8256ZT/EW Parts List is given on page 1-32.

● Main Unit

Circuit Symbol & No.	KEX-P8256ZT/EW	KEX-P8156ZT/EW	KEX-P8156ZT/UC	KEX-P8256ZT/AU	KEX-P8256ZT/ES	KEX-P8156ZT/ES
	Part No.	Part No.	Part No.	Part No.	Part No.	Part No.
IC601	PMR001B	PMR001B	.....	.....	.....	.....
IC602	SC14SU69F	SC14SU69F	.....	.....	.....	.....
IC603	PD0179B	PD0179B	.....	.....	.....	.....
IC651	.....	.....	KHA197	KHA197	.....	.....
IC652	.....	.....	PA5014A	PA5014A	.....	.....
IC701	PD4496B	PD4496B	PD4495C	PD4495C	PD4495C	PD4495C
IC702	PDH004A	PDH004A	.....	PDH004A	.....	.....
Q501	.....	.....	.....	.....	.....	DTA114EK
Q503	2SC2712	2SC2712	.....	2SC2712	2SC2712	2SC2712
Q504	DTA114EK	DTA114EK	.....	.....	.....	DTA114EK
Q505	DTC124EK	DTC124EK	.....	.....	.....	.....
Q506	.....	.....	.....	2SC3295	.....	2SC3295
Q507	.....	.....	.....	2SC2712	.....	2SC2712
Q510	2SC3098	2SC3098	.....	2SC3098	2SC3098	2SC3098
Q511	2SC2712	2SC2712	2SC2712	.....	2SC2712	.....
Q512	2SK208	2SK208	2SK208	.....	2SK208	.....
Q513,514	.....	.....	2SA1162	.....	.....	.....
Q602,651	2SC2712	2SC2712	.....	.....	.....	.....
Q680	2SC2712	2SC2712	2SC2712	.....	2SC2712	2SC2712
Q721	.....	.....	DTA144EK	.....	.....	DTA144EK
D501	.....	.....	.....	MA153-MC	.....	MA153-MC
D503	MA8027H	MA8027H	MA8027H	.....	MA8027H	.....
D601	MA8056H	MA8056H	.....	.....	.....	.....
D650	.....	.....	MA151K-MH	MA151K-MH	.....	.....
D680,681	MA151WK-MT	MA151WK-MT	MA151WK-MT	MA151K-MH	MA151WK-MT	MA151WK-MT
D703	.....	.....	.....	.....	.....	.....
D704	MA151K-MH	.....	.....	MA151K-MH	MA151K-MH	.....
D705	.....	.....	.....	MA151K-MH	.....	MA151K-MH
D706	.....	.....	.....	.....	MA151K-MH	.....
D720	.....	.....	.....	MA151WA-MN	MA151WA-MN	MA151WA-MN

KEX-P8256ZT,P8256ZT-91,P8156ZT,P8156ZT-E

Circuit Symbol & No.	KEX-P8256ZT/EW	KEX-P8156ZT/EW	KEX-P8156ZT/UC	KEX-P8256ZT/AU	KEX-P8256ZT/ES	KEX-P8156ZT/ES
	Part No.	Part No.	Part No.	Part No.	Part No.	Part No.
AR652	.....	.....	DSP-201M	DSP-201M	.....	.....
VR650	CCP1177	CCP1177	.....	.....	.....	.....
L502	LCYA1R0M3225	LCYA1R0M3225	.....	LCYA1R0M3225	LCYA1R0M3225	LCYA1R0M3225
L601	LCYA101K3225	LCYA101K3225	.....	.....	.....	.....
L602	LCYA101K3225	LCYA101K3225	.....	.....	.....	.....
L651	.....	.....	LCYA1R0M3225	LCYA1R0M3225	.....	.....
X601	CCS1056	CCS1056	.....	.....	.....	.....
MW/SW Unit	.....	.....	.....	.....	.....	CWA1077
AM Unit	CWA1079	CWA1079	CWA1078	CWA1076	CWA1075	.....
AM Noise Canceller Unit	CWA1085	CWA1085	CWA1085	.....	CWA1085	CWA1085
AM Stereo Unit	.....	.....	.....	CWA1066	.....	.....
FM Unit	CWE1343	CWE1343	CWE1342	CWE1345	CWE1345	CWE1345
R425,426	RS1/10S222J	RS1/10S222J	RS1/10S332J	RS1/10S272J	RS1/10S332J	RS1/10S132J
R506	.....	.....	.....	.....	.....	RS1/10S473J
R508	RS1/10S222J	RS1/10S222J	.....	RS1/10S222J	RS1/10S222J	RS1/10S222J
R509	RS1/10S0R0J	RS1/10S0R0J	.....	.....	.....	.....
R510	RS1/10S473J	RS1/10S473J	.....	.....	.....	RS1/10S473J
R512	RS1/10S222J	RS1/10S222J	RS1/10S472J	RS1/10S102J	RS1/10S472J	RS1/10S472J
R513	RS1/10S222J	RS1/10S222J	RS1/10S0R0J	RS1/10S0R0J	RS1/10S0R0J	RS1/10S0R0J
R514	.....	.....	.....	RS1/10S103J	.....	RS1/10S103J
R515	.....	.....	.....	RS1/10S223J	.....	RS1/10S682J
R516	.....	.....	.....	RS1/10S222J	.....	RS1/10S222J
R517	.....	.....	.....	RS1/10S152J	.....	RS1/10S152J
R522	RS1/10S222J	RS1/10S222J	RS1/10S101J	RS1/10S222J	RS1/10S222J	RS1/10S222J
R525	RS1/10S182J	RS1/10S182J	.....	RS1/10S182J	RS1/10S182J	RS1/10S182J
R526	RS1/10S821J	RS1/10S821J	.....	RS1/10S821J	RS1/10S821J	RS1/10S821J
R527	RS1/10S101J	RS1/10S101J	.....	RS1/10S101J	RS1/10S101J	RS1/10S101J
R528	RS1/10S680J	RS1/10S680J	.....	RS1/10S680J	RS1/10S680J	RS1/10S680J
R529	RS1/10S331J	RS1/10S331J	.....	RS1/10S331J	RS1/10S331J	RS1/10S331J
R530	RS1/10S333J	RS1/10S333J	.....	RS1/10S333J	RS1/10S333J	RS1/10S333J
R531	.....	.....	RS1/10S221J	.....	.....	.....
R532	.....	.....	RS1/10S682J	.....	.....	.....
R533	RS1/10S0R0J	RS1/10S0R0J	.....	RS1/10S0R0J	RS1/10S0R0J	RS1/10S0R0J
R534	RS1/10S102J	RS1/10S102J	RS1/10S102J	.....	RS1/10S102J	.....
R535	RS1/10S222J	RS1/10S222J	RS1/10S222J	.....	RS1/10S222J	.....
R536	RS1/10S152J	RS1/10S152J	RS1/10S152J	.....	RS1/10S152J	.....
R537	RS1/10S102J	RS1/10S102J	RS1/10S102J	.....	RS1/10S102J	.....
R538	.....	.....	RS1/10S0R0J	RS1/10S0R0J	RS1/10S0R0J	RS1/10S0R0J
R540,541	.....	.....	RS1/10S0R0J	.....	.....	.....
R542	.....	.....	.....	RS1/10S225J	.....	.....
R603	RS1/10S472J	RS1/10S472J	.....	.....	.....	.....
R604,605	RS1/10S333J	RS1/10S333J	.....	.....	.....	.....
R606,607	RS1/10S102J	RS1/10S102J	.....	.....	.....	.....
R608,610	RS1/10S102J	RS1/10S102J	.....	.....	.....	.....
R609	RS1/10S681J	RS1/10S681J	.....	.....	.....	.....
R611	RS1/10S223J	RS1/10S223J	.....	.....	.....	.....
R612,614	RS1/10S102J	RS1/10S102J	.....	.....	.....	.....
R613,615	RS1/10S104J	RS1/10S104J	.....	.....	.....	.....
R616,618	RS1/10S102J	RS1/10S102J	.....	.....	.....	.....
R617,619	RS1/10S473J	RS1/10S473J	.....	.....	.....	.....
R620,622	RS1/10S102J	RS1/10S102J	.....	.....	.....	.....
R621,623	RS1/10S473J	RS1/10S473J	.....	.....	.....	.....
R624,698	RS1/10S473J	RS1/10S473J	.....	.....	.....	.....
R625,628	RS1/10S104J	RS1/10S104J	.....	.....	.....	.....
R626,627	RS1/10S102J	RS1/10S102J	.....	.....	.....	.....
R629	RS1/10S105J	RS1/10S105J	.....	.....	.....	.....
R630,631	RS1/10S102J	RS1/10S102J	.....	.....	.....	.....
R632,633	RS1/10S102J	RS1/10S102J	.....	.....	.....	.....
R634,635	RS1/10S102J	RS1/10S102J	.....	.....	.....	.....
R636,638	RS1/10S104J	RS1/10S104J	.....	.....	.....	.....

KEX-P8256ZT,P8256ZT-91,P8156ZT,P8156ZT-91

Circuit Symbol & No.	KEX-P8256ZT/EW	KEX-P8156ZT/EW	KEX-P8156ZT/UC	KEX-P8256ZT/AU	KEX-P8256ZT/ES	KEX-P8156ZT/ES
	Part No.	Part No.	Part No.	Part No.	Part No.	Part No.
R637,639	RS1/10S102J	RS1/10S102J	.....	.....	.....	.....
R640	RS1/10S104J	RS1/10S104J	.....	.....	.....	.....
R641,642	RS1/10S222J	RS1/10S222J	.....	.....	.....	.....
R643,645	RS1/10S102J	RS1/10S102J	.....	.....	.....	.....
R649	RS1/10S102J	RS1/10S102J	.....	.....	.....	.....
R651	RS1/10S0R0J	RS1/10S0R0J	.....	.....	RS1/10S0R0J	RS1/10S0R0J
R652	.....	.....	RS1/10S333J	RS1/10S333J	.....	.....
R653,656	.....	.....	RS1/10S683J	RS1/10S683J	.....	.....
R654	.....	.....	RS1/10S154J	RS1/10S154J	.....	.....
R655	.....	.....	RS1/10S153J	RS1/10S153J	.....	.....
R658	RS1/10S102J	RS1/10S102J	.....	.....	.....	.....
R659,660	RS1/10S392J	RS1/10S392J	RS1/10S562J	RS1/10S123J	RS1/10S562J	RS1/10S562J
R661	RS1/10S333J	RS1/10S333J	RS1/10S333J	.....	RS1/10S333J	RS1/10S333J
R662	RS1/10S223J	RS1/10S223J	RS1/10S153J	.....	RS1/10S153J	RS1/10S153J
R663	RS1/10S273J	RS1/10S273J	RS1/10S183J	.....	RS1/10S183J	RS1/10S183J
R672	.....	.....	.....	RS1/10S222J	.....	.....
R673	.....	.....	.....	RS1/10S102J	.....	.....
R680	RS1/10S103J	RS1/10S103J	RS1/10S103J	.....	RS1/10S103J	RS1/10S103J
R681	RS1/10S222J	RS1/10S222J	RS1/10S222J	.....	RS1/10S222J	RS1/10S222J
R702	RS1/10S101J	RS1/10S101J	RS1/10S101J	RS1/10S102J	RS1/10S102J	RS1/10S102J
R703	.....	.....	.....	RS1/10S473J	RS1/10S473J	RS1/10S473J
R704	RS1/10S0R0J	RS1/10S0R0J	RS1/10S0R0J	RS1/10S473J	RS1/10S473J	RS1/10S473J
R768	RS1/10S102J	RS1/10S102J	.....	.....	.....	.....
R803	RS1/10S2R2J	RS1/10S2R2J	RS1/10S3R3J	RS1/10S3R3J	RS1/10S3R3J	RS1/10S3R3J
R819	.....	.....	RS1/10S102J	.....	.....	RS1/10S102J
R820	.....	.....	RS1/10S473J	.....	.....	RS1/10S473J
R836	.....	.....	.....	RS1/10S102J	RS1/10S102J	RS1/10S102J
R849	RS1/10S102J	.....	.....	RS1/10S102J	RS1/10S102J	RS1/10S102J
R1008	RS1/10S224J	RS1/10S224J	.....	RS1/10S224J	.....	.....
R1053	.....	.....	.....	RS1/10S472J	RS1/10S472J	RS1/10S472J
C503	CKSQYB223K25	CKSQYB223K25	.....	CKSQYB223K25	CKSQYB223K25	CKSQYB223K25
C510	CEA1R5M50LL	CEA1R5M50LL	.....	.....	.....	.....
C511	.....	.....	.....	CCH1165	.....	CCH1165
C512	.....	.....	.....	CKSQYB333K25	.....	CKSQYB103K25
C513	CGCYX473K25	CGCYX473K25	CGCYX473K25	CKCYB103K50	CGCYX473K25	CGCYX473K25
C516	CCSQCH561J50	CCSQCH561J50	.....	CCSQCH561J50	CCSQCH561J50	CCSQCH561J50
C517	CCSQCH101J50	CCSQCH101J50	.....	CCSQCH101J50	CCSQCH101J50	CCSQCH101J50
C518	CKSQYB103K25	CKSQYB103K25	.....	CKSQYB103K25	CKSQYB103K25	CKSQYB103K25
C519	CEAS100M16	CEAS100M16	.....	CEAS100M16	CEAS100M16	CEAS100M16
C521	CCH1165	CCH1165	CCH1165	.....	CCH1165	.....
C522	CKSQYB103K25	CKSQYB103K25	CKSQYB103K25	.....	CKSQYB103K25	.....
C601	CKSQYB472K50	CKSQYB472K50	.....	.....	.....	.....
C602	CEA1R5M50LL	CEA1R5M50LL	.....	.....	.....	.....
C603,625	CKSQYB103K25	CKSQYB103K25	.....	.....	.....	.....
C604	CEASR33M50	CEASR33M50	.....	.....	.....	.....
C605	CKSQYB473K25	CKSQYB473K25	.....	.....	.....	.....
C606	CSZA100K10	CSZA100K10	.....	.....	.....	.....
C607	CKSQYB472K50	CKSQYB472K50	.....	.....	.....	.....
C608,609	CEAS010M50	CEAS010M50	.....	.....	.....	.....
C610	CEAS3R3M50	CEAS3R3M50	.....	.....	.....	.....
C611,620	CEAS100M16	CEAS100M16	.....	.....	.....	.....
C612,622	CKSQYB223K25	CKSQYB223K25	.....	.....	.....	.....
C613	CKSQYB103K25	CKSQYB103K25	.....	.....	.....	.....
C614	CKSQYB102K50	CKSQYB102K50	.....	.....	.....	.....
C615,618	CKSQYB103K25	CKSQYB103K25	.....	.....	.....	.....
C616,617	CCSQCH150J50	CCSQCH150J50	.....	.....	.....	.....
C619,621	CKSQYB103K25	CKSQYB103K25	.....	.....	.....	.....
C623	CKSQYBT02K50	CKSQYBT02K50	.....	.....	.....	.....
C624	CKSQYB473K25	CKSQYB473K25	.....	.....	.....	.....
C626	CKSQYB103K25	CKSQYB103K25	.....	.....	.....	.....

KEX-P8256ZT,P8256ZT-91,P8156ZT,P8156ZT-9

Circuit Symbol & No.	KEX-P8256ZT/EW	KEX-P8156ZT/EW	KEX-P8156ZT/UC	KEX-P8256ZT/AU	KEX-P8256ZT/ES	KEX-P8156ZT/ES
	Part No.	Part No.	Part No.	Part No.	Part No.	Part No.
C651,659	.....	.....	CEAS100M16	CEAS100M16	.....	.....
C652	.....	.....	CKSQYB393K25	CKSQYB393K25	.....	.....
C653	.....	.....	CKSQYB562K50	CKSQYB562K50	.....	.....
C654	.....	.....	CKSQYB222K50	CKSQYB222K50	.....	.....
C655	.....	.....	CKSQYB822K50	CKSQYB822K50	.....	.....
C656	.....	.....	CKSQYB152K50	CKSQYB152K50	.....	.....
C657	.....	.....	CEAS220M16	CEAS220M16	.....	.....
C658	.....	.....	CCSQCH471J50	CCSQCH471J50	.....	.....
C660	.....	.....	CKSQYB223K25	CKSQYB223K25	.....	.....
C661	.....	.....	CKSQYB103K25	CKSQYB103K25	.....	.....
C662,667	.....	.....	CKSQYB103K25	CKSQYB103K25	.....	.....
C664,665	CKSQYB393K25	CKSQYB393K25	CKSQYB392K50	CKSQYB472K50	CKSQYB153K25	CKSQYB153K25
C666	CKSQYB273K25	CKSQYB273K25	CKSQYB333K25	.....	CKSQYB333K25	CKSQYB333K25
C675	CKSQYB103K25	CKSQYB103K25	.....	.....	CKSQYB103K25	CKSQYB103K25
C676	.....	.....	.....	.....	CKSQYB103K25	CKSQYB103K25
C680	CKSQYB153K25	CKSQYB153K25	CKSQYB183K25	.....	CKSQYB183K25	CKSQYB183K25
C681	CKSQYB682K50	CKSQYB682K50	CKSQYB682K50	.....	CKSQYB682K50	CKSQYB682K50
C701	CEA220M16LL	CEA220M16LL	CEA220M16LL	.....	.....	.....
C994	CKSQYB473K25	CKSQYB473K25	CKSQYB473K25	CKSQYB473K25	.....	.....

● FM Unit

Circuit Symbol & No.	KEX-P8156ZT/EW	KEX-P8156ZT/UC	KEX-P8156ZT/ES
	KEX-P8256ZT/EW		KEX-P8256ZT/ES
Q1,5	DTC124EU	.....	DTC124EU
Q2	.....	.....	DTC124EU
Q71	2SC4116	.....	.....
T51	CTE1111	CTE1111	CTC1071
T52	CTE1022	CTE1022	.....
T71	CTE1043	.....	.....
L2	LAUR22M	.....	.....
L71	LAU3R9K	.....	.....
CF52,53	CTF1057	CTF1057	CTF-182
VR1	CCP1183	.....	CCP1183
FE101	CWB1070	CWB1059	CWB1070
R3	.....	.....	RS1/10S103J
R7	RS1/10S560J	RS1/10S0R0J	RS1/10S0R0J
R10,12	RS1/10S0R0J	.....	RS1/10S0R0J
R13	.....	RD1/4PS0R0JL	RD1/4PS0R0JL
R21,27	.....	RS1/10S0R0J	RS1/10S0R0J
R25	RS1/10S243J	.....	.....
R56	RS1/10S473J	RS1/10S473J	RS1/10S822J
R57	RS1/10S472J	RS1/10S472J	.....
R58	RS1/16S203J	RS1/16S103J	RS1/16S243J
R60	RS1/10S153J	RS1/10S223J	RS1/10S823J
R72	RS1/10S123J	.....	.....
R73	RS1/10S103J	.....	.....
R74	RS1/10S331J	.....	.....
R75	RS1/10S102J	.....	.....
R76	RS1/10S151J	.....	.....
R102	RS1/16S223J	RS1/16S223J	RS1/16S153J
R151,152	RS1/10S392J	RS1/10S222J	RS1/10S222J
R154	RS1/10S124J	RS1/10S104J	RS1/10S154J
R180	RS1/10S335J	RS1/10S105J	RS1/10S105J
C10	CCSQCH101K50	.....	.....
C58	CCSQCH040C50	CCSQCH040C50	CCSQCH300J50
C72,73,80	CKSQYB103K25	.....	.....
C74	CKSQYB473K16	.....	.....
C103	CKSQYB152K50	CKSQYB222K50	CKSQYB102K50
C110	CKSYB224K16	CKSYB684K16	CKSYB684K16
C151,152	CKSQYB153K25	CKSQYB393K25	CKSQYB273K25

KEX-P8256ZT, P8256ZT-91, P8156ZT, P8156ZT-91

● AM Unit

Circuit Symbol & No.	KEX-P8156ZT/EW KEX-P8256ZT/EW	KEX-P8156ZT/UC	KEX-P8256ZT/AU	KEX-P8256ZT/ES
	Part No.	Part No.	Part No.	Part No.
Q203	****	****	****	DTC124EU
Q232	DTC124EU	****	DTC124EU	DTC124EU
T203	CTB1040	CTB1040	CTB1084	CTB1040
L202	CTB1102	CTB1103	CTB1103	CTB1103
VR201	CCP1179	CCP1181	CCP1179	CCP1179
VR202	CCP1182	****	CCP1182	CCP1182
CF201	CTF1262	CTF1325	CTF1262	CTF1262
R204	RS1/10S472J	RS1/10S472J	RS1/10S473J	RS1/10S472J
R206	****	****	****	****
R207	RS1/10S103J	RS1/10S103J	RS1/10S103J	RS1/10S103J
R214	****	****	****	RS1/10S222J
R232	****	****	****	RS1/16S102J
R239	RS1/10S152J	RS1/10S272J	RS1/10S152J	RS1/10S152J
C203	CSZA3R3M16	CEA150M10LS	CEA150M10LS	CEA150M10LS
C213	CCSQCH330J50	CCSQCH330J50	CCSQCH221J50	CCSQCH330J50
C225	CKSQYB103K25	CKSQYB103K25	CKSQYB103K25	CKSQYB103K25
C230	CKSQYB682K50	CKSQYB472K50	CKSQYB682K50	CKSQYB332K50
C242	CCSQCH030C50	****	CCSQCH030C50	CCSQCH030C50

● Key Board Unit

Circuit Symbol & No.	KEX-P8156ZT/EW KEX-P8256ZT/EW	KEX-P8156ZT/UC	KEX-P8256ZT/AU	KEX-P8256ZT/ES	KEX-P8156ZT/ES
	Part No.	Part No.	Part No.	Part No.	Part No.
S901	CCS1106	CCS1106	****	****	****
S926	****	****	CSD1019	CSD1019	CSD1019
IL904	CEL1343	CEL1343	CEL1343	****	CEL1343
IL906	CEL1343	****	CEL1343	CEL1343	****

● Deck Unit

Circuit Symbol & No.	KEX-P8256ZT/ES KEX-P8256ZT/AU KEX-P8156ZT/EW KEX-P8256ZT/EW	KEX-P8156ZT/ES	KEX-P8156ZT/ES
	Part No.	Part No.	Part No.
IC251	HA12163	HA12173-01	
R301,302	****	RS1/10S223J	
R303,304	****	RS1/10S561J	
R321	****	RS1/10S223J	
C303-308	****	CKSQYB222J50	
C311,312	****	CKSQYB104K16	
C322	****	CEV100M16	

● LCD Unit

Circuit Symbol & No.	KEX-P8256ZT/EW KEX-P8256ZT/AU KEX-P8156ZT/UC KEX-P8156ZT/ES	KEX-P8156ZT/EW	KEX-P8156ZT/ES
	Part No.	Part No.	Part No.
LCD	CAW1294	CAW1293	

====Circuit Symbol & No. Part Name=====	Part No.	====Circuit Symbol & No. Part Name=====	Part No.
Unit Number : CWA1066		R 268	RN1/10SE224D
Unit Name : AM Stereo Unit(KEX-P8256ZT/AU)		R 269	RS1/10S563J
MISCELLANEOUS		R 270	RS1/10S272J
IC 251	MC13020P	R 271	RS1/10S561J
D 251 252	1SS133	R 272 273	RS1/10S223J
T 251 252	Filter CTF1244		
X 251	Ceramic Resonator 3.6MHz CSS1302	CAPACITORS	
RESISTORS		C 251 259 260 270	CKSQYB103K50
R 251	RS1/10S0R0J	C 252 253 255 272 273	CKSQYB332K50
R 252 254	RS1/10S102J	C 254 266	CEA100M16LS2
R 253 255	RS1/10S223J	C 256 257	CEA010M50LS2
R 256	RS1/10S823J	C 258 265	CEA2R2M50LS2
R 259 260	RS1/10S333J	C 261 262	CQMA333J50
R 261 262	RS1/10S0R0J	C 263	CEA470M16LS
R 263	RS1/10S431J	C 264	CEA4R7M35LS
R 264	RS1/10S472J	C 267	CFTNA474J50
R 265 266	RS1/10S152J	C 268	CFTNA474J50
R 267	RN1/10SE911D	C 269	CCDSL510J50
		C 271	CEA330M16LS
		C 274 275	CEAR33M50LS2

KEX-P8256ZT,P8256ZT-91,P8156ZT,P8156ZT-S

====Circuit Symbol & No. Part Name=====		Part No.	====Circuit Symbol & No. Part Name=====	Part No.
Unit Number : CWA1077			R 215	RS1/16S473J
Unit Name : MW/SW Unit(KEX-P8156ZT/ES)			R 219 232	RS1/16S0R0J
MISCELLANEOUS			R 222	RS1/10S471J
IC 201		PAF001A	R 224	RS1/16S333J
IC 202		CWV1041	R 225	RS1/10S104J
Q 201		2SK291	R 235	RS1/16S104J
Q 202 210 220		2SC4116	R 236 242	RS1/10S103J
Q 204		2SC2412K	R 239	RS1/10S152J
Q 206		HN1C01FU	R 243	RS1/10S152J
Q 221 222		2SC3775	R 244	RS1/10S242J
Q 231		DTC124EU	R 248	RS1/10S222J
Q 232		DTC124EU	R 249	RS1/10S225J
D 201 204		ISS226	CAPACITORS	
D 205		KV1580	C 201 216 225 234	CKSQYB103K25
L 201	Inductor	CTF1287	C 203	CEA150M10LS
L 202	Coil	CTB1103	C 205	CCSRCH120J50
L 205	Inductor	CTF1299	C 208	CKSQYB223K25
L 207	Inductor	LAU3R3K	C 210	CSZSR47M20
L 211	Inductor	LCTB100K2125	C 212 230	CKSQYB332K50
L 212 213	Inductor	LCTB101K2125	C 213	CCSQCH080D50
T 203	Coil	CTB1084	C 214	CCSQUJ181J50
T 204	Coil	CTE1079	C 215	CKSQYB104K16
T 205	Coil	CTE1038	C 217	CKSQYB473K16
T 206	Coil	CTE1072	C 219 227	CKSQYB103K25
CF 201		CTF1262	C 218 228 233	CKSQYB473K16
CF 202	Filter	CTF1191	C 220	CCSRCH430J50
X 201	Crystal Resonator 10.26MHz	CSS1111	C 221 243	CCSQCH120J50
VR 201	Semi-fixed 4.7kΩ (B)	CCP1179	C 224	CEA470M16LL
VR 202	Semi-fixed 15kΩ (B)	CCP1182	C 229	CEA470M16LL
RESISTORS			C 231	CCSRCH180J50
R 201			C 232 241 244	CKSRYB103K25
R 202		RS1/16S220J	C 235	CEAR47M50LL
R 204 246		RS1/10S102J	C 236	CEA0R1M50LL
R 205 209 218		RS1/10S473J	C 237	CEA4R7M35LL
R 206 217		RS1/10S470J	C 238	CEA3R3M50LL
R 207 212 237 238 241		RS1/10S472J	C 239	CKSQYB223K25
R 208 210 226 227 228 229		RS1/10S103J	C 242	CCSQCH030C50
R 211 223		RS1/10S0R0J		
R 213		RS1/16S103J		
		RS1/16S561J		

Service Manual

 **PIONEER**
The Art of Entertainment
TOYOTA

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LEXUS LS400 **AUDIO SYSTEM** **HEAD UNIT**

VEHICLE	DESTINATION	PRODUCED AFTER	TOYOTA PART No.	PIONEER MODEL No.
LEXUS LS400	U.S.A., CANADA	November 1994	86120-50360	KEX-P8156ZT/UC
	EUROPE		86120-50390	KEX-P8156ZT/EW
	UNITED KINGDOM		86120-50380	KEX-P8256ZT/EW
	AUSTRALIA		86120-50410	KEX-P8256ZT/AU
	HONG KONG		86120-50420	KEX-P8256ZT/ES
	MIDDLE EAST		86120-50400	KEX-P8156ZT/ES

CHAPTER 2

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2-97

1 2 3 4

1. EXPLODED VIEW

- Grille Assy(KEX-P8256ZT/EW,AU,ES)
(Parts List:Page 1-28)

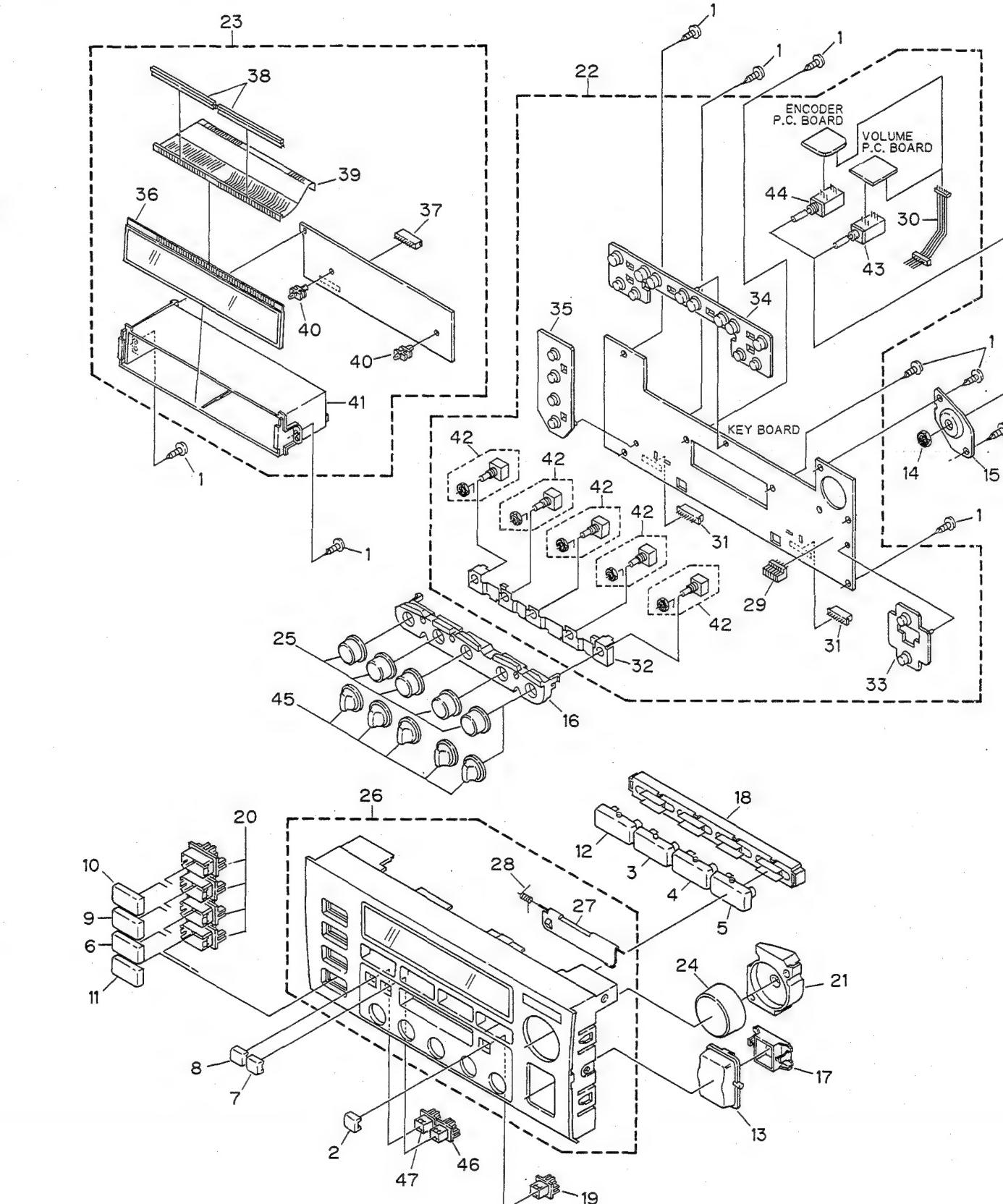


Fig.1

- Grille Assy(KEX-P8156ZT/EW,UC,ES)
(Parts List:Page 1-29)

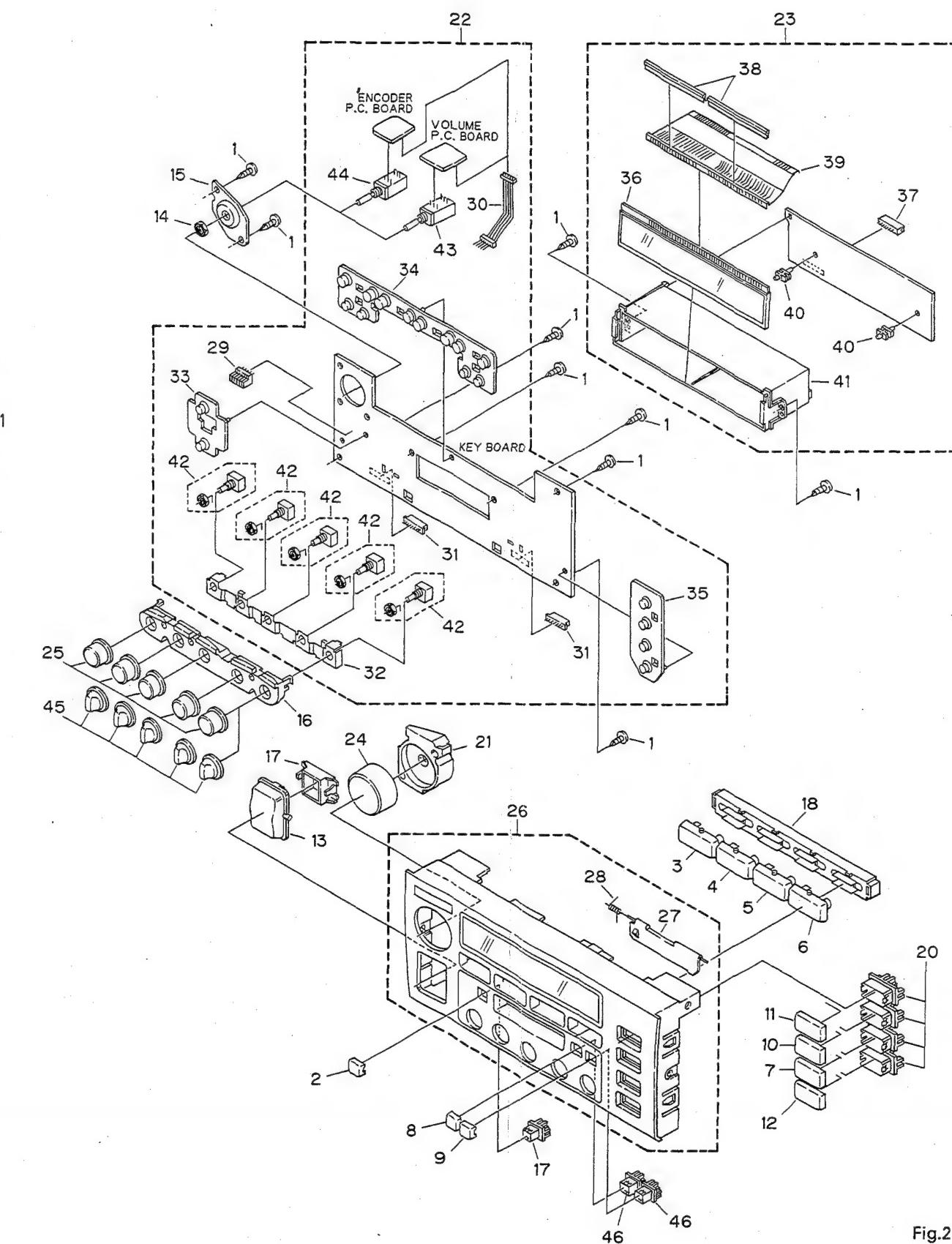


Fig.2

● Chassis(Parts List:Page 1-27)

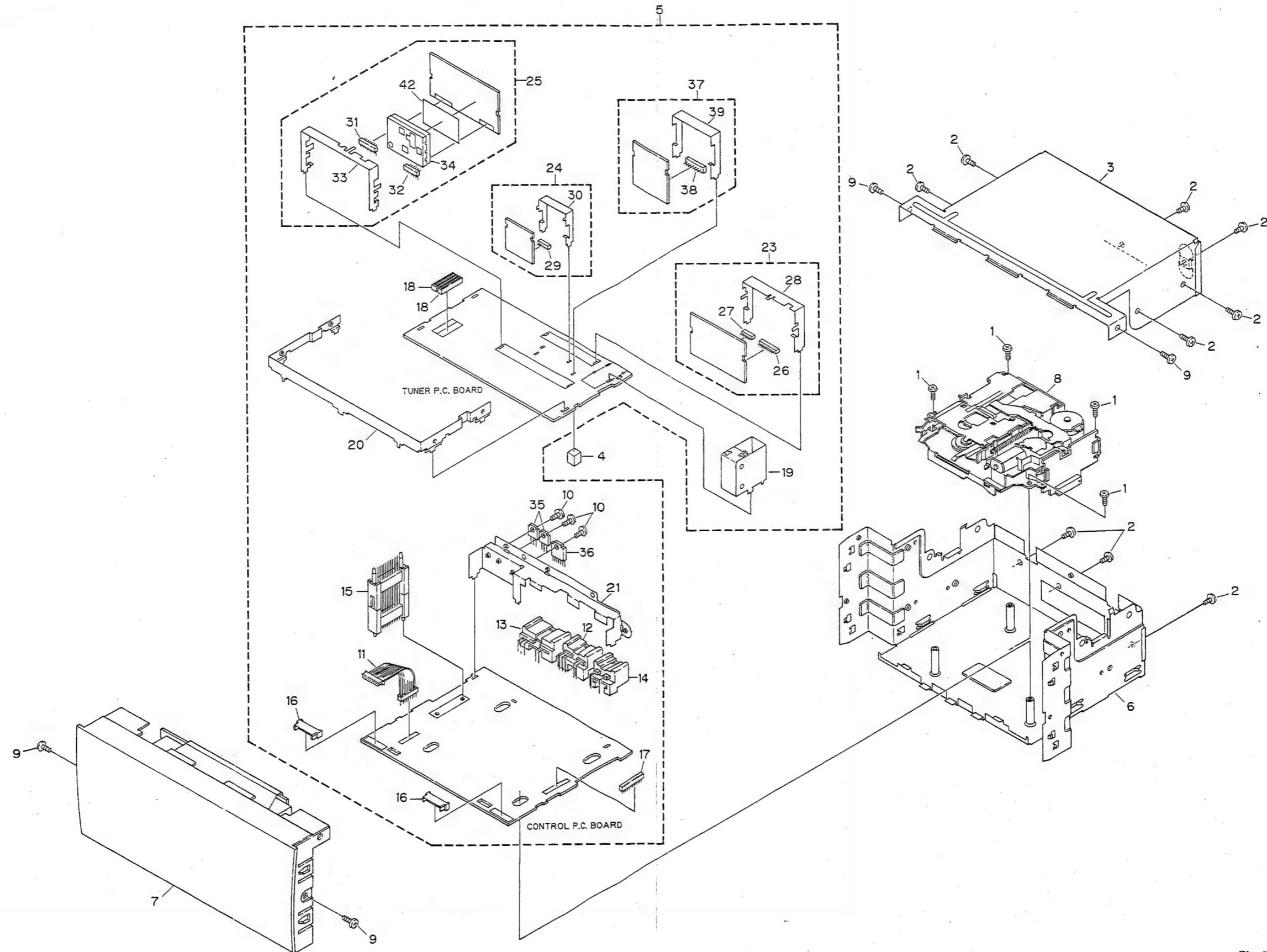
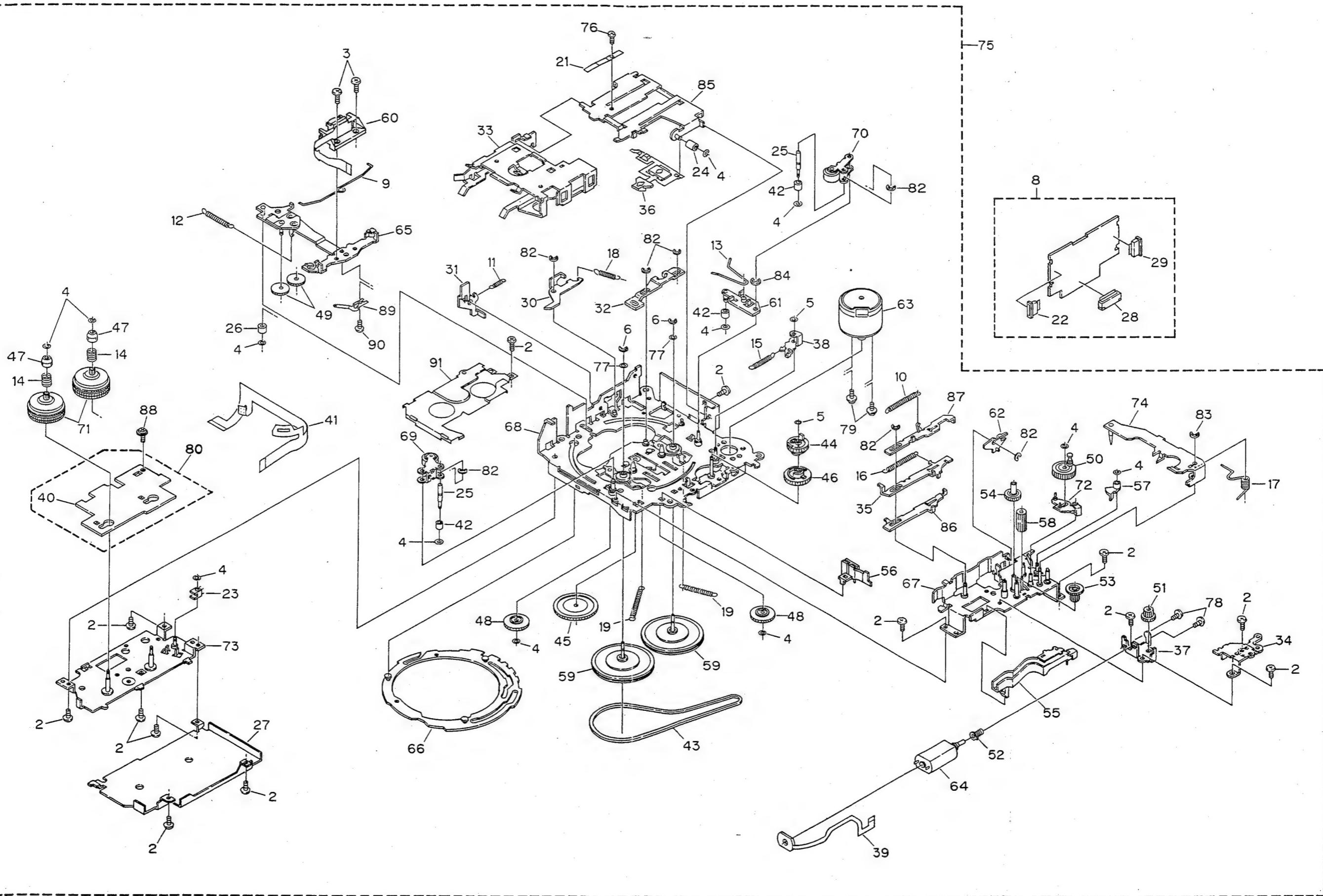


Fig.3

● Cassette Mechanism Module(Parts List:Page 1-30)



2. BLOCK DIAGRAM

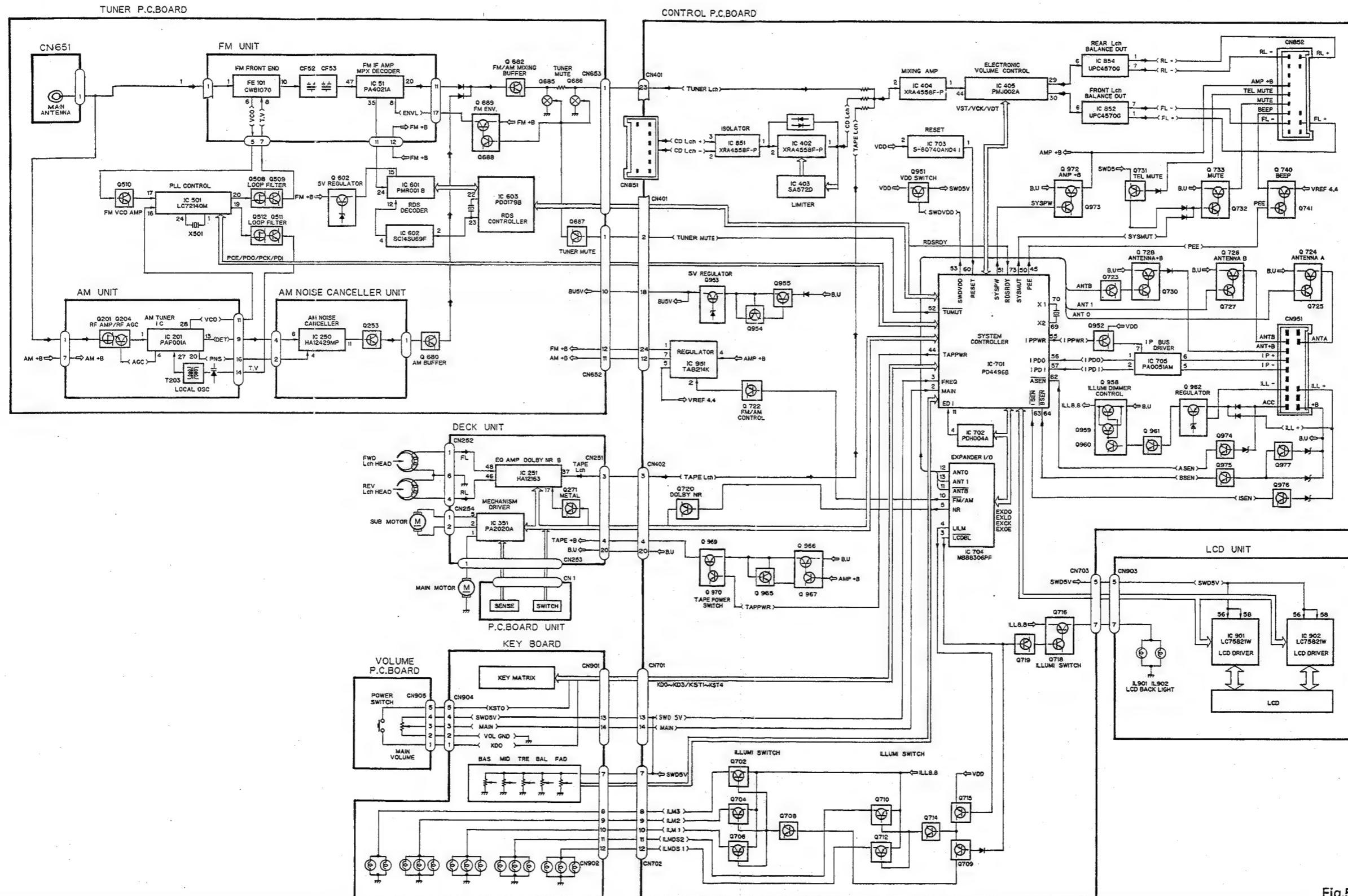


Fig.5

1

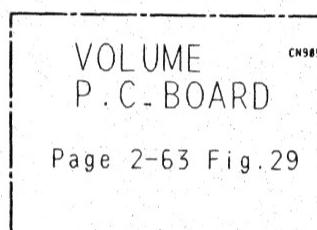
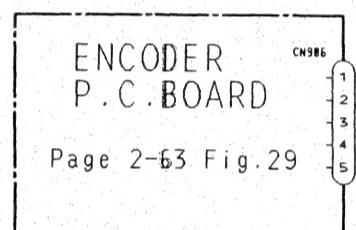
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3

4

3. OVER ALL SCHEMATIC CIRCUIT DIAGRAM

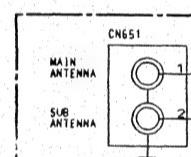
A



KEY BOARD

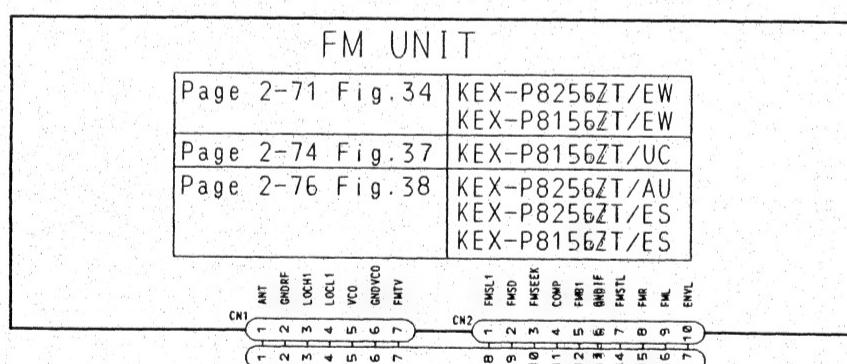
Page 2-63 Fig. 29

B



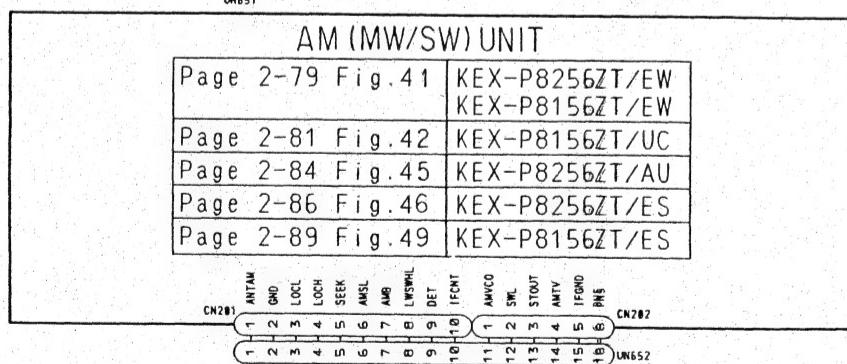
TUNER P.C. BOARD

Page 2-39 Fig. 17	KEX-P8256ZT/EW KEX-P8156ZT/EW
Page 2-43 Fig. 19	KEX-P8156ZT/UC
Page 2-47 Fig. 21	KEX-P8256ZT/AU
Page 2-51 Fig. 23	KEX-P8256ZT/ES
Page 2-55 Fig. 25	KEX-P8156ZT/ES



Page 2-14 Fig. 1
Page 2-21 Fig. 1
Page 2-24 Fig. 1
Page 2-31 Fig. 1
Page 2-34 Fig. 1

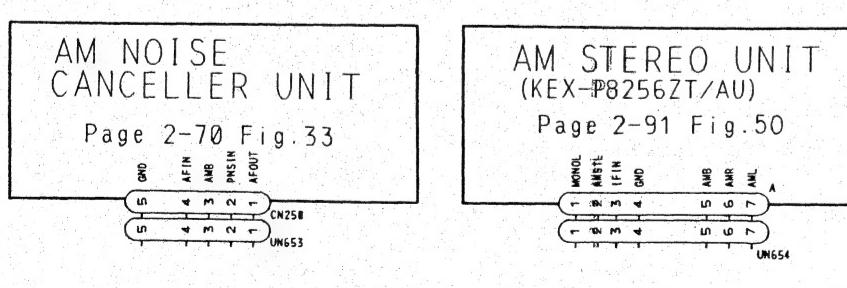
C



CASSETTE MECHANISM MODULE

Page 2-95 Fig. 53	KEX-P8156ZT/UC KEX-P8156ZT/ES
Page 2-97 Fig. 54	KEX-P8256ZT/EW KEX-P8156ZT/EW KEX-P8256ZT/AU KEX-P8256ZT/ES

D



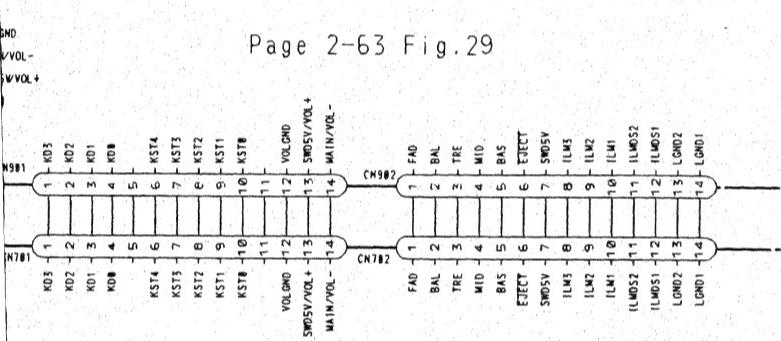
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5

6

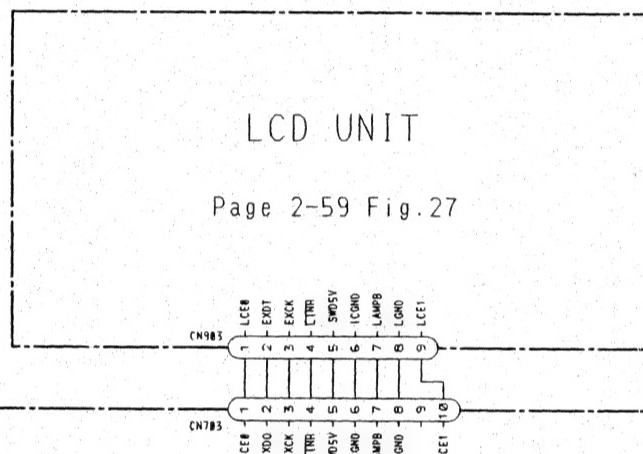
KEY BOARD

Page 2-63 Fig.29



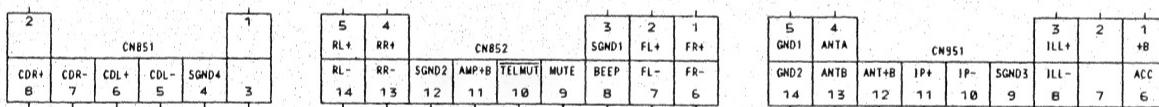
LCD UNIT

Page 2-59 Fig.27



A

CONTROL P.C. BOARD



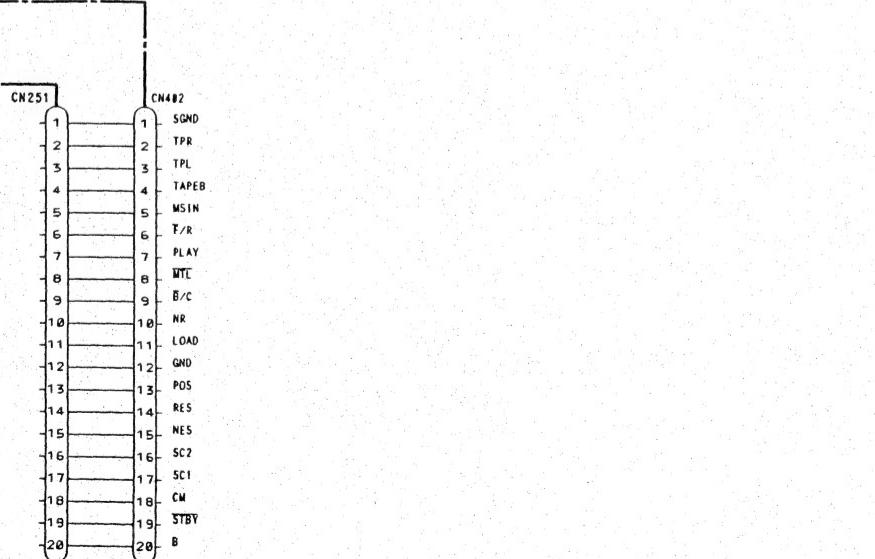
B

Page 2-14 Fig. 7	KEX-P8256ZT/EW
Page 2-21 Fig.10	KEX-P8156ZT/UC
Page 2-24 Fig.11	KEX-P8256ZT/AU
Page 2-31 Fig.14	KEX-P8256ZT/ES
Page 2-34 Fig.15	KEX-P8156ZT/ES

C

CASSETTE MECHANISM
MODULE

Page 2-95 Fig.53	KEX-P8156ZT/UC
	KEX-P8156ZT/ES
Page 2-97 Fig.54	KEX-P8256ZT/EW
	KEX-P8156ZT/EW
	KEX-P8256ZT/AU
	KEX-P8256ZT/ES



D

Fig.6

5

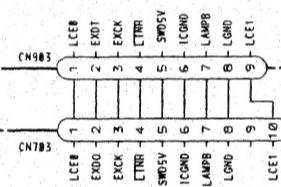
6

L

LCD UNIT

Page 2-59 Fig.27

A



C. BOARD

3	2	1
SQND1	FL4	FR4
9	8	7
MUTE	BEEP	FL-
0	9	6

5	4
GND1	ANTA
14	13

5	4
GND1	ANTA
14	13
ANT+B	IP+
12	11
IP-	10
SQND3	9
ILL+	8
ILL-	7
ACC	6

B

0	KEX-P8256ZT/EW
1	KEX-P8156ZT/EW
4	KEX-P8156ZT/UC
5	KEX-P8256ZT/AU
6	KEX-P8256ZT/ES
7	KEX-P8156ZT/ES

C

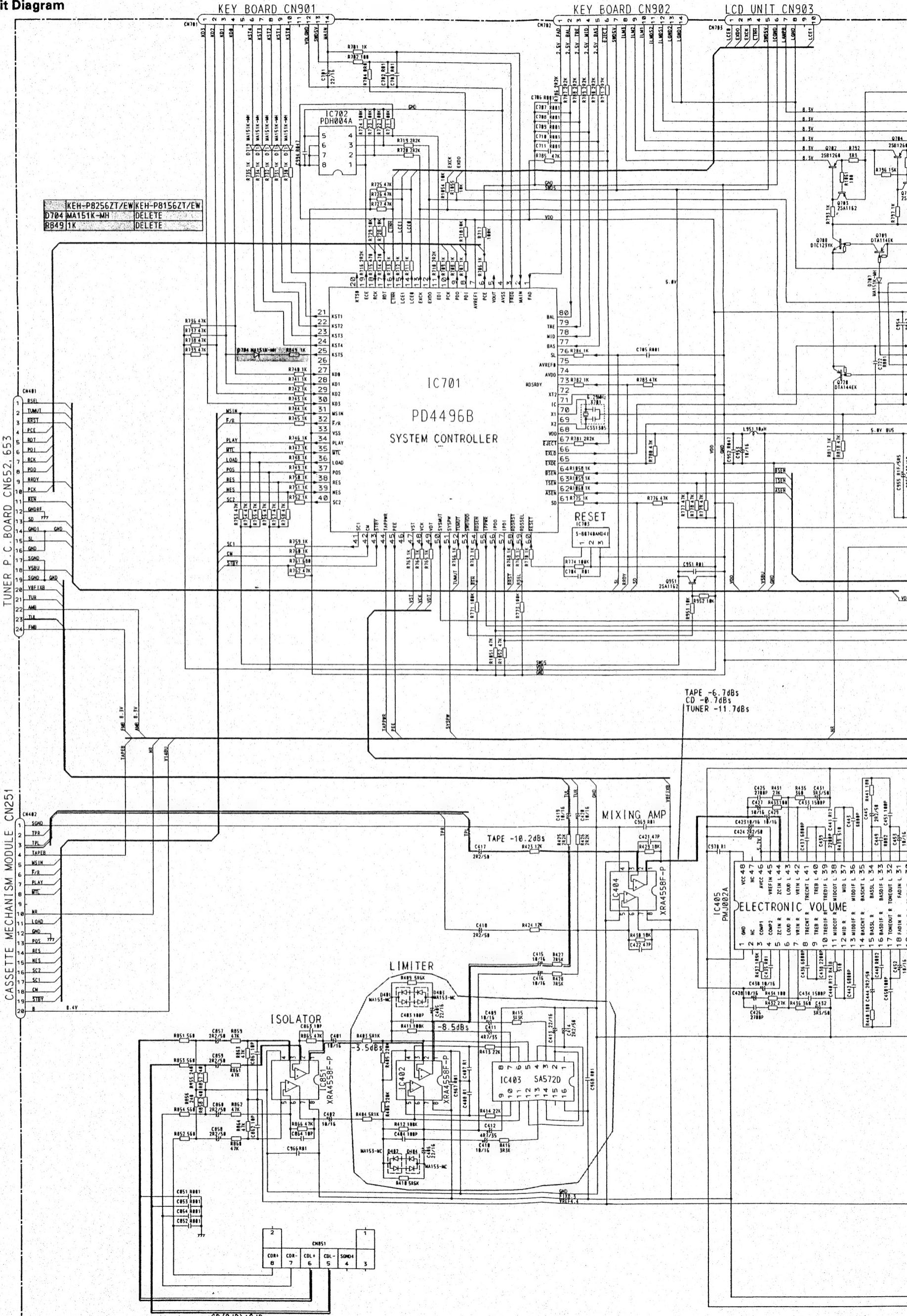
D

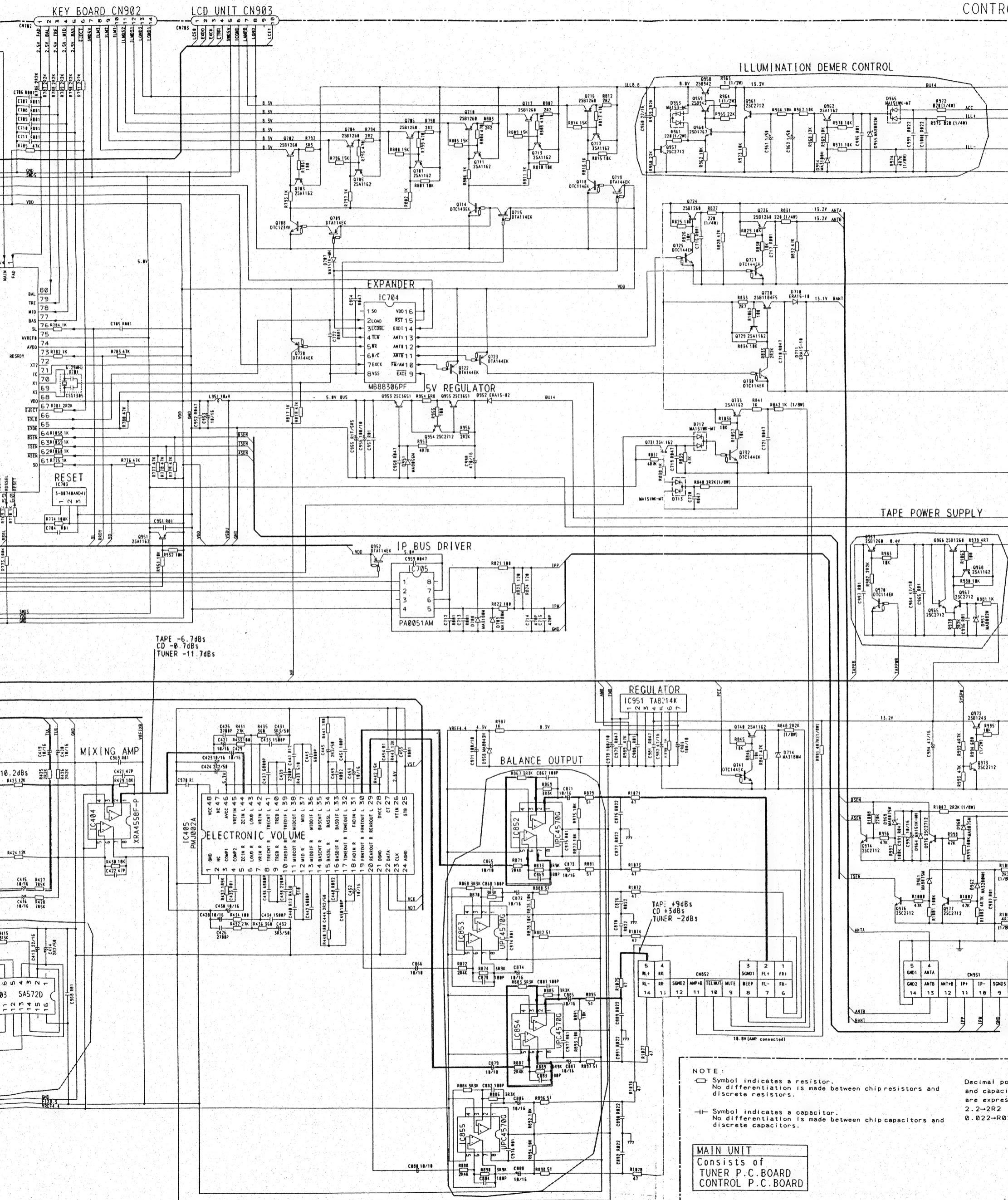
Fig.6

4. CIRCUIT DIAGRAM AND PATTERN

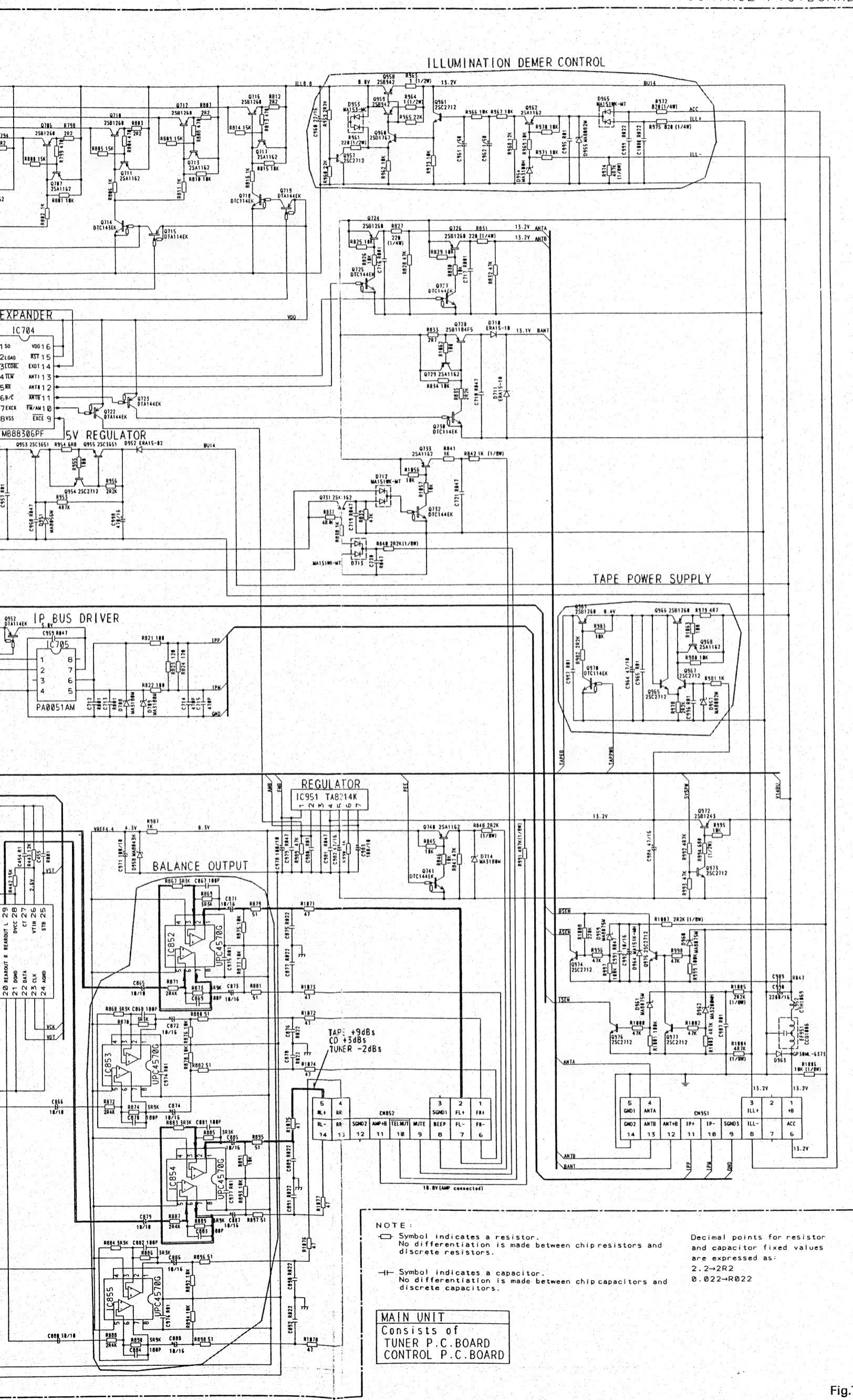
4.1 CONTROL P.C.BOARD(KEX-P8256ZT/EW,KEX-P8156ZT/EW)

● Circuit Diagram





CONTROL P.C. BOARD



● Connection Diagram

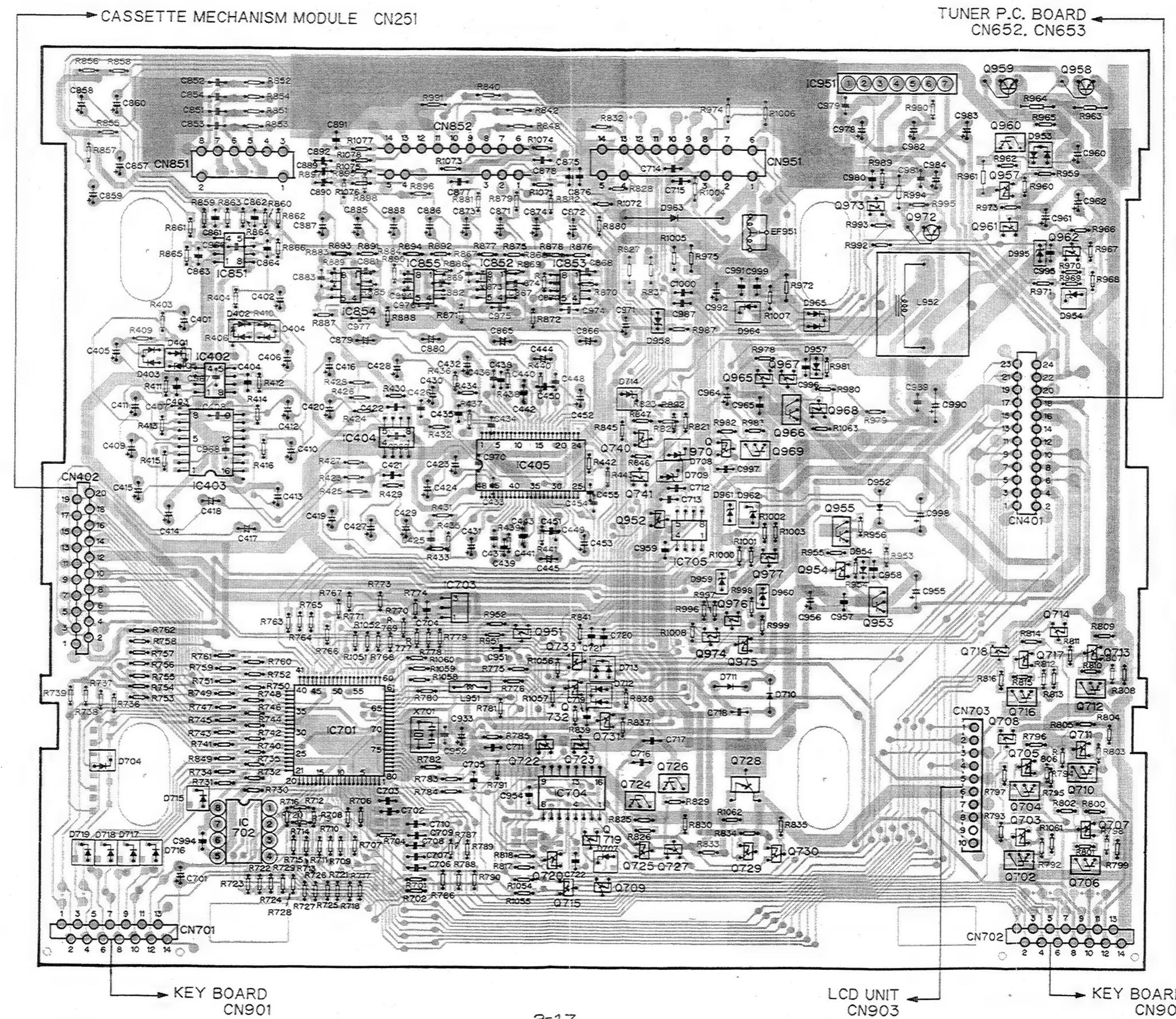
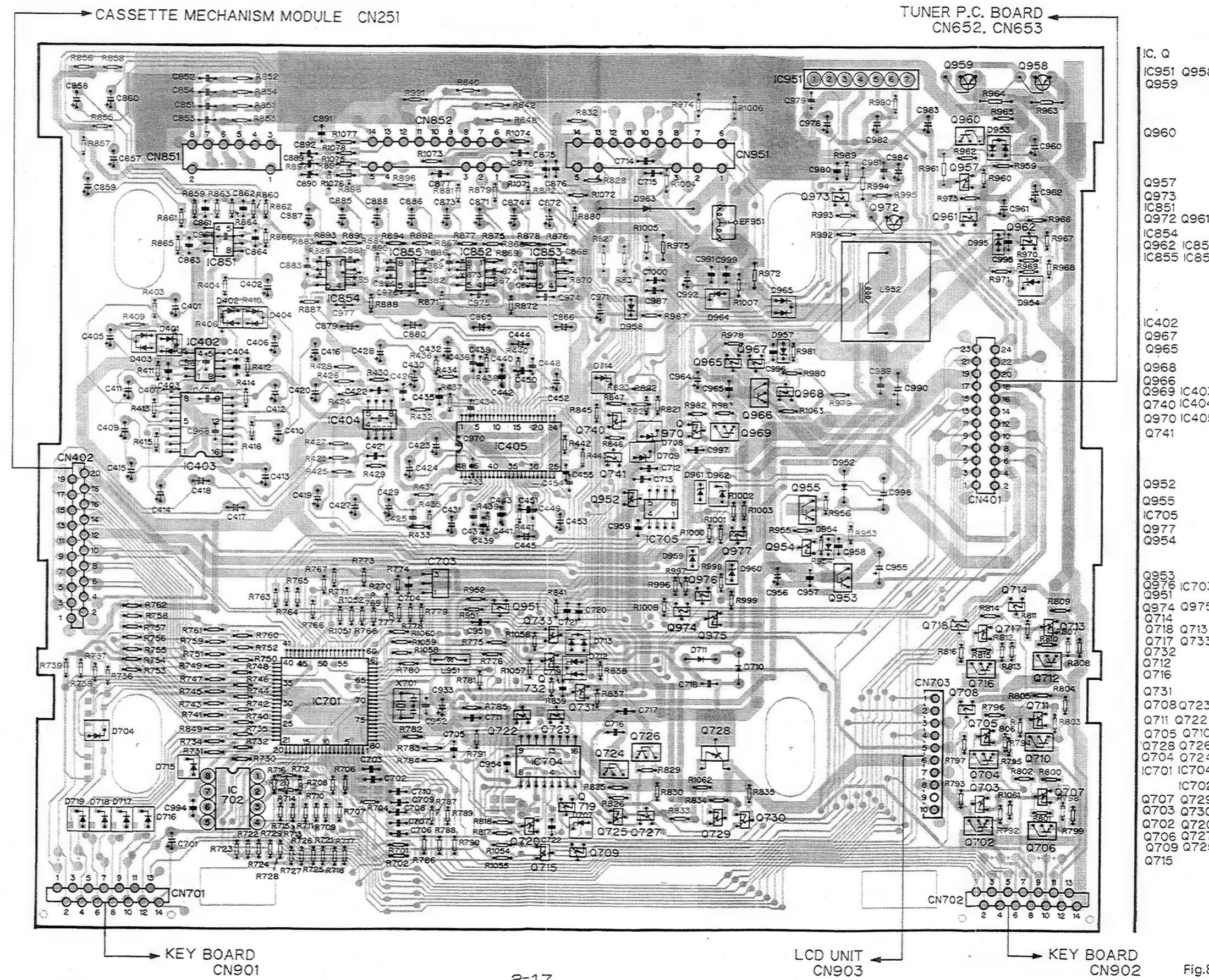


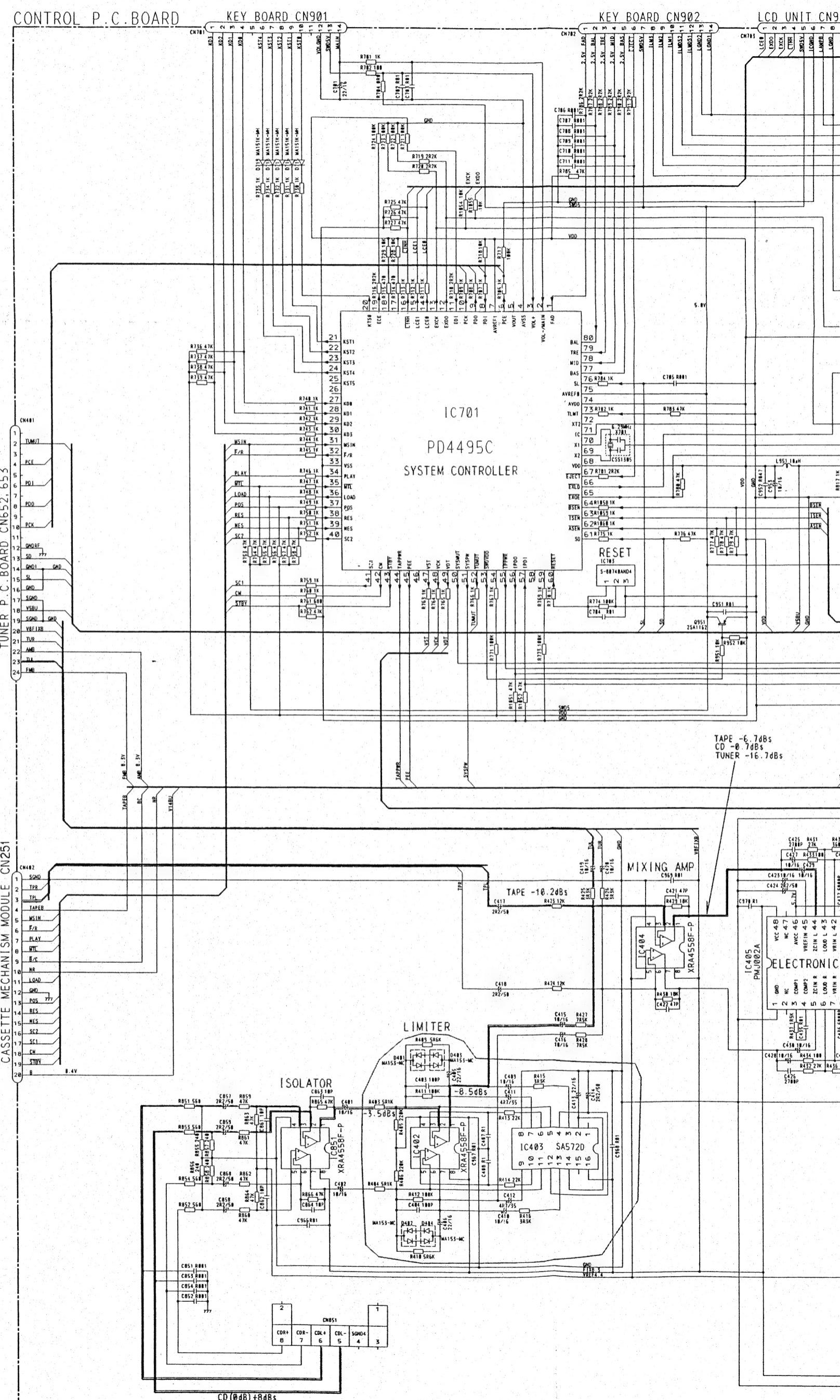
Fig.8

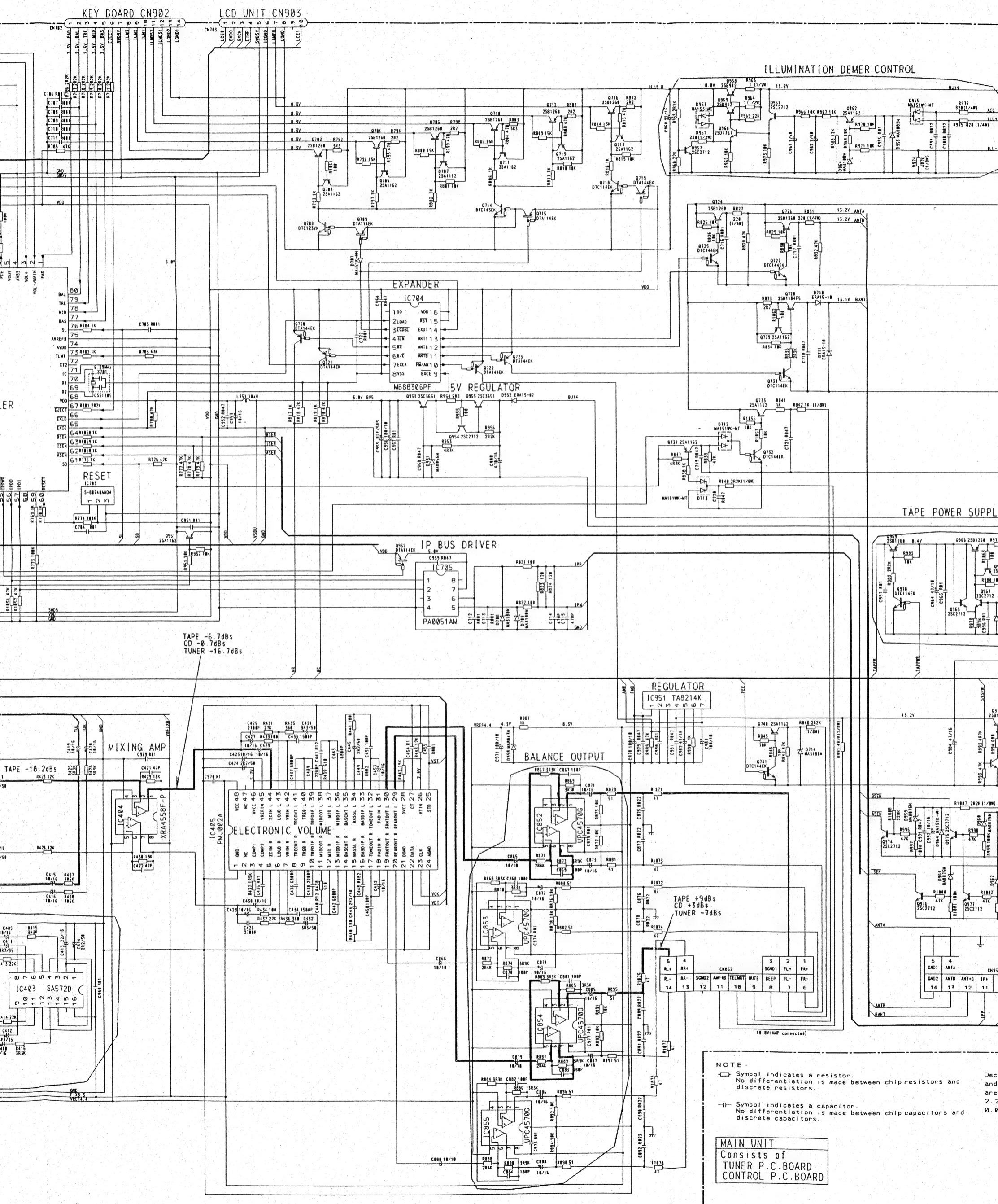
2-18

● Connection Diagram



● Circuit Diagram





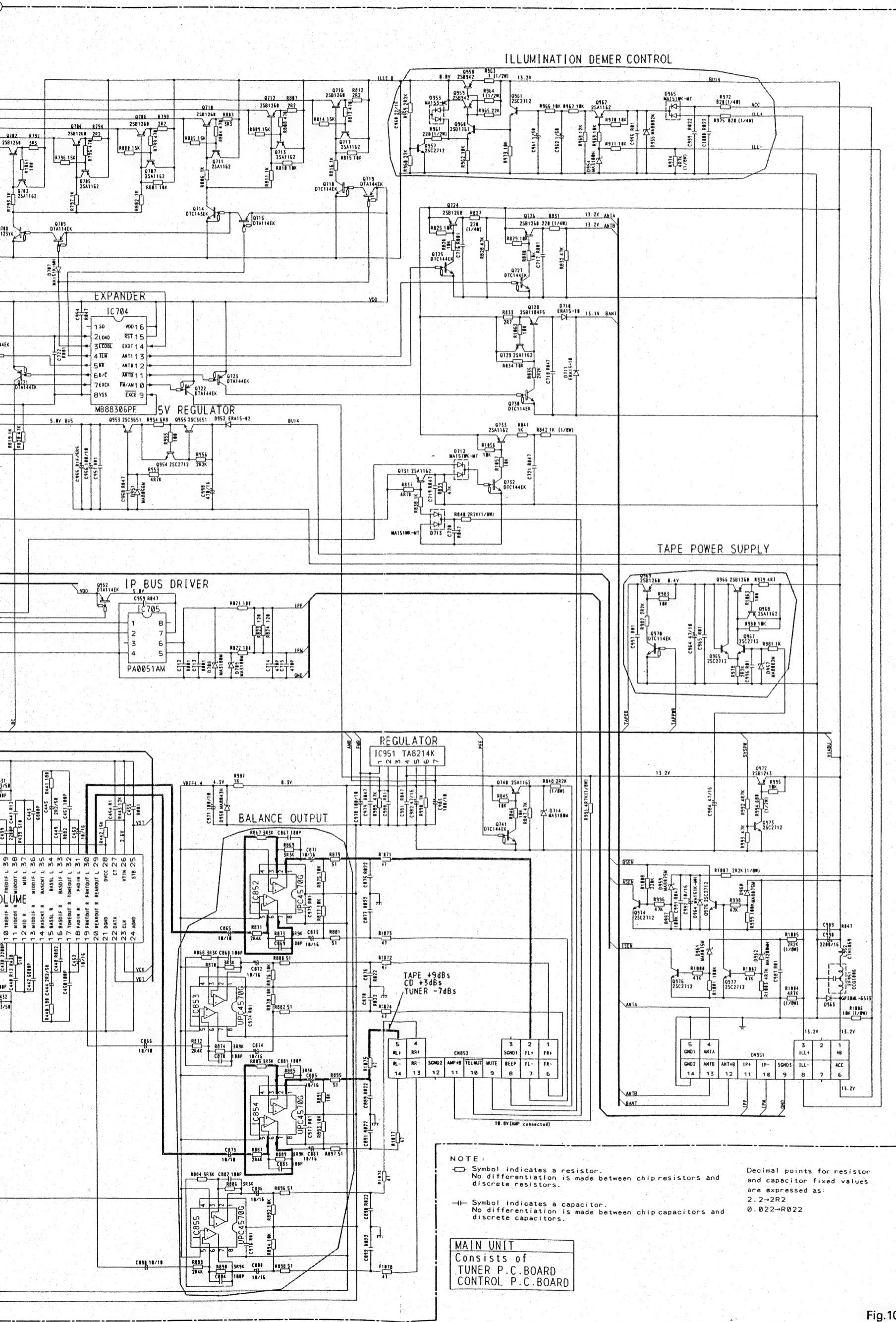
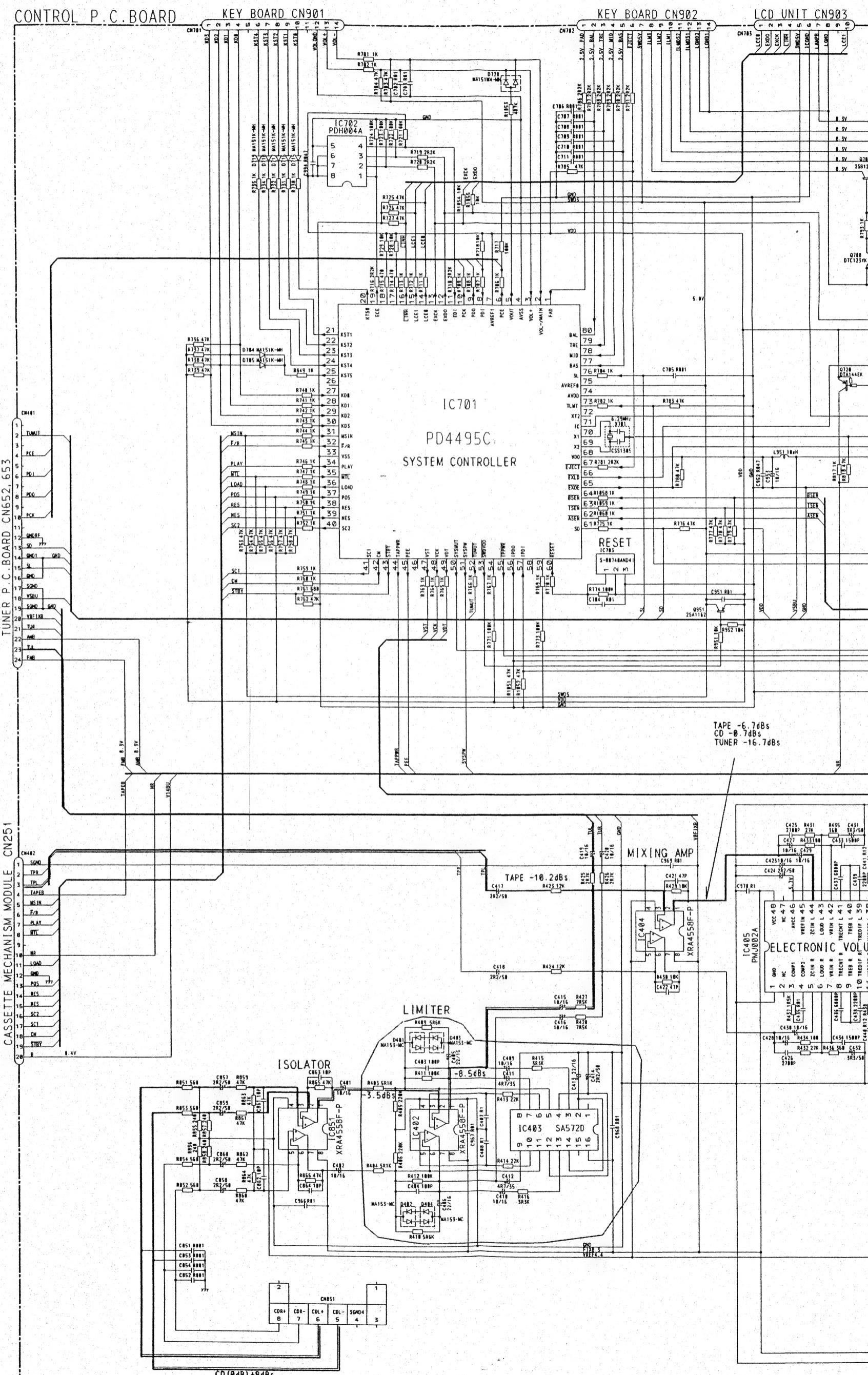
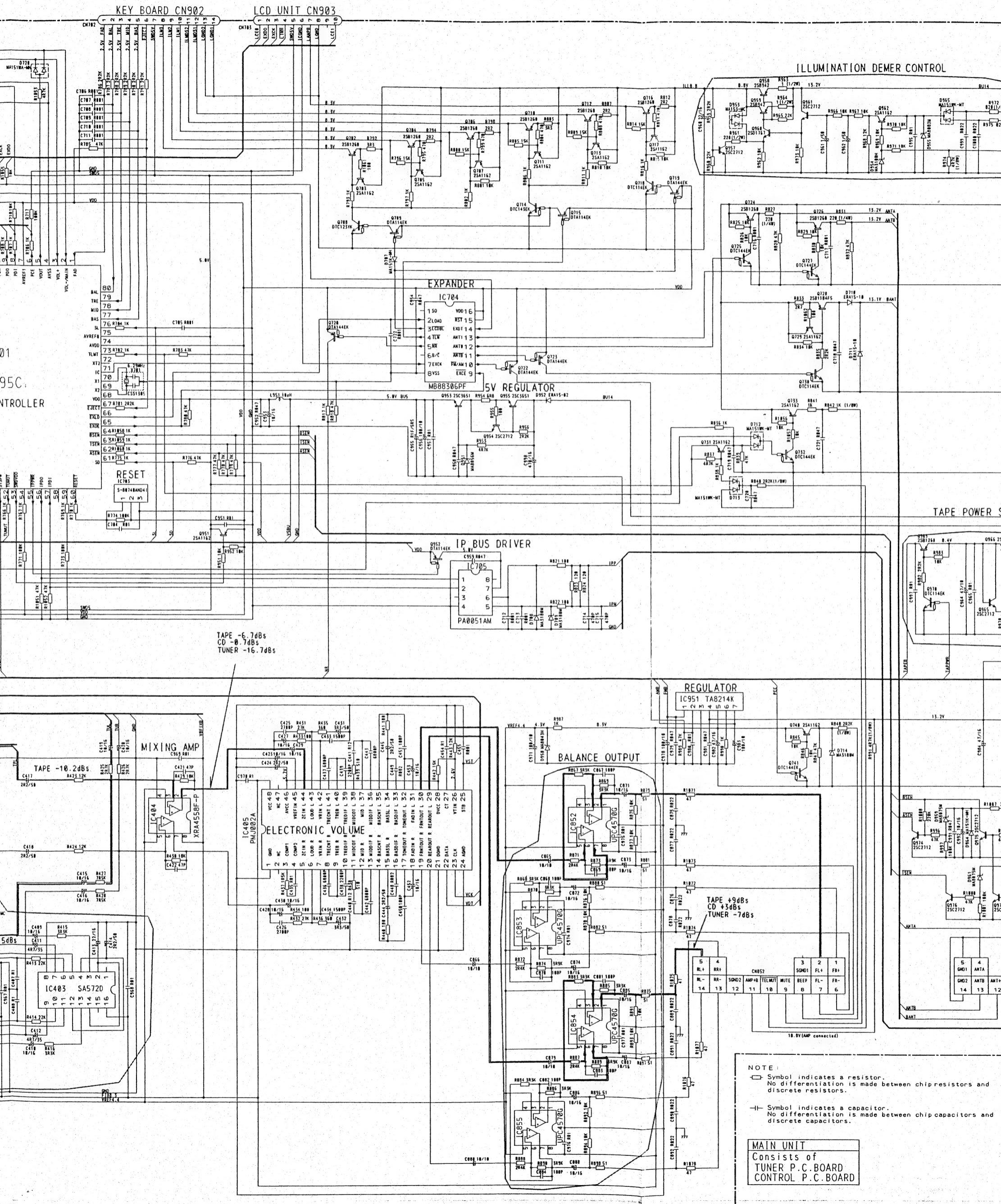


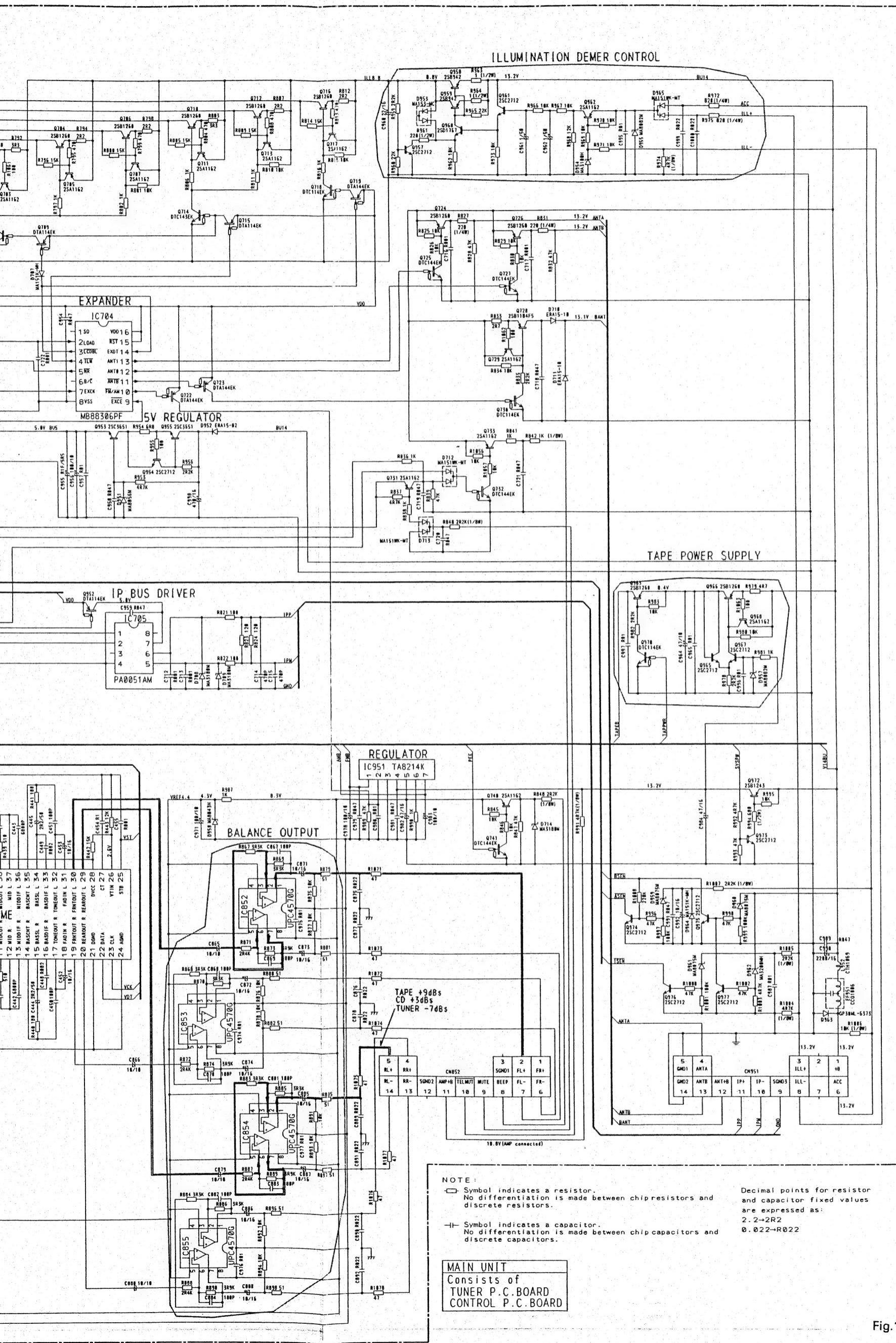
Fig. 10

4.3 CONTROL P.C.BOARD(KEX-P8256ZT/AU)

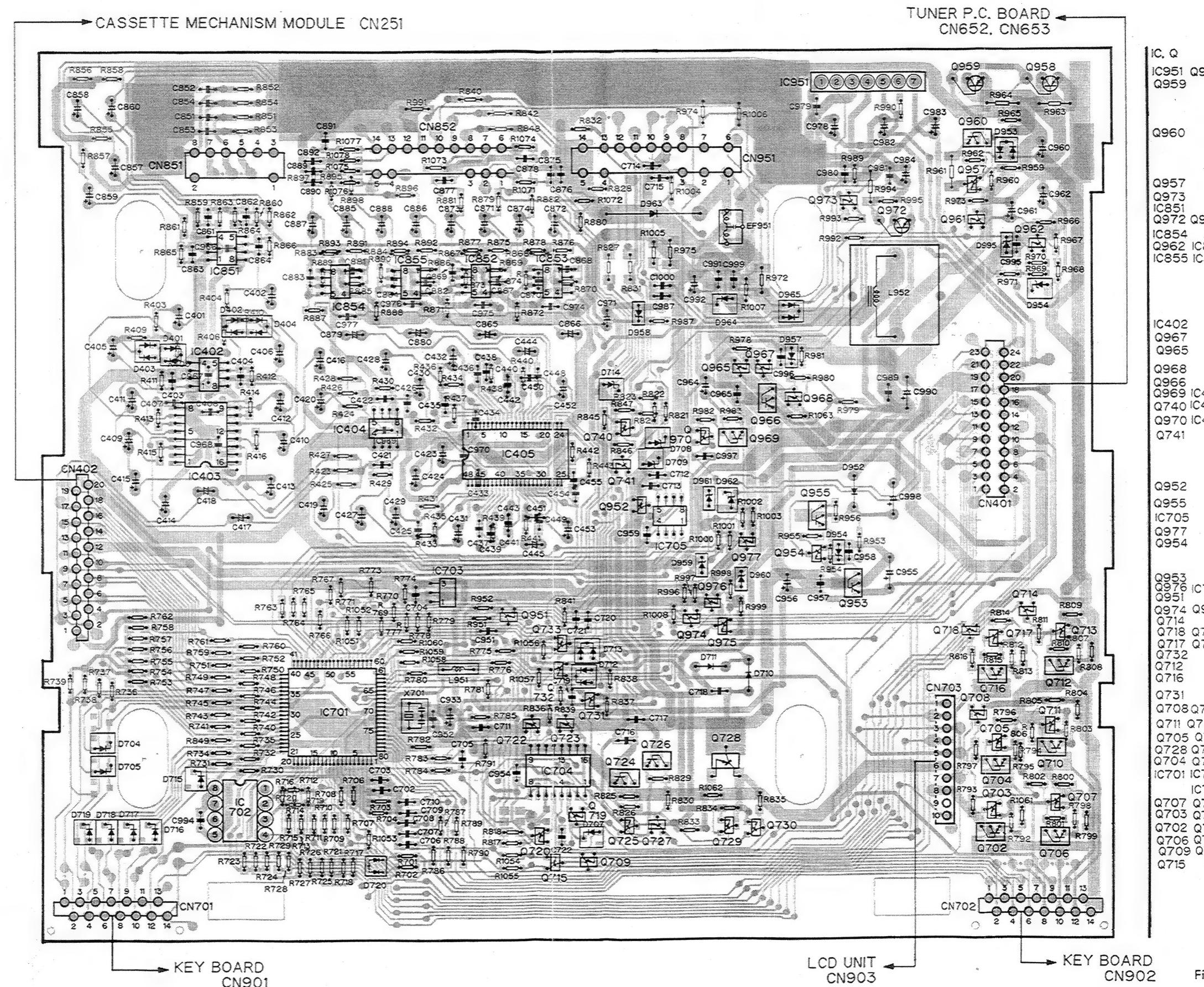
● Circuit Diagram







● Connection Diagram



4.4 CONTROL P.C.BOARD(KEX-P8256ZT/ES)

● Connection Diagram

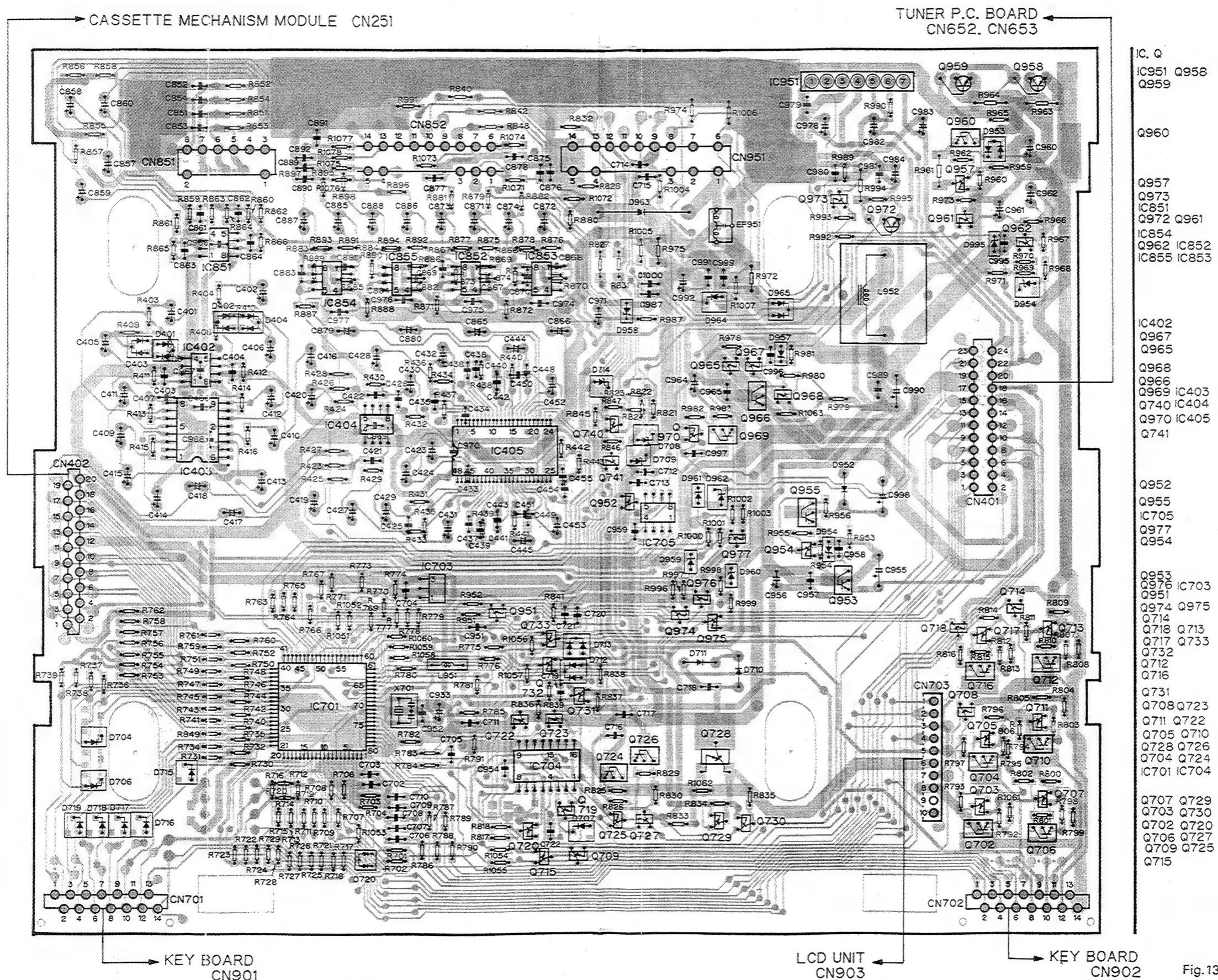
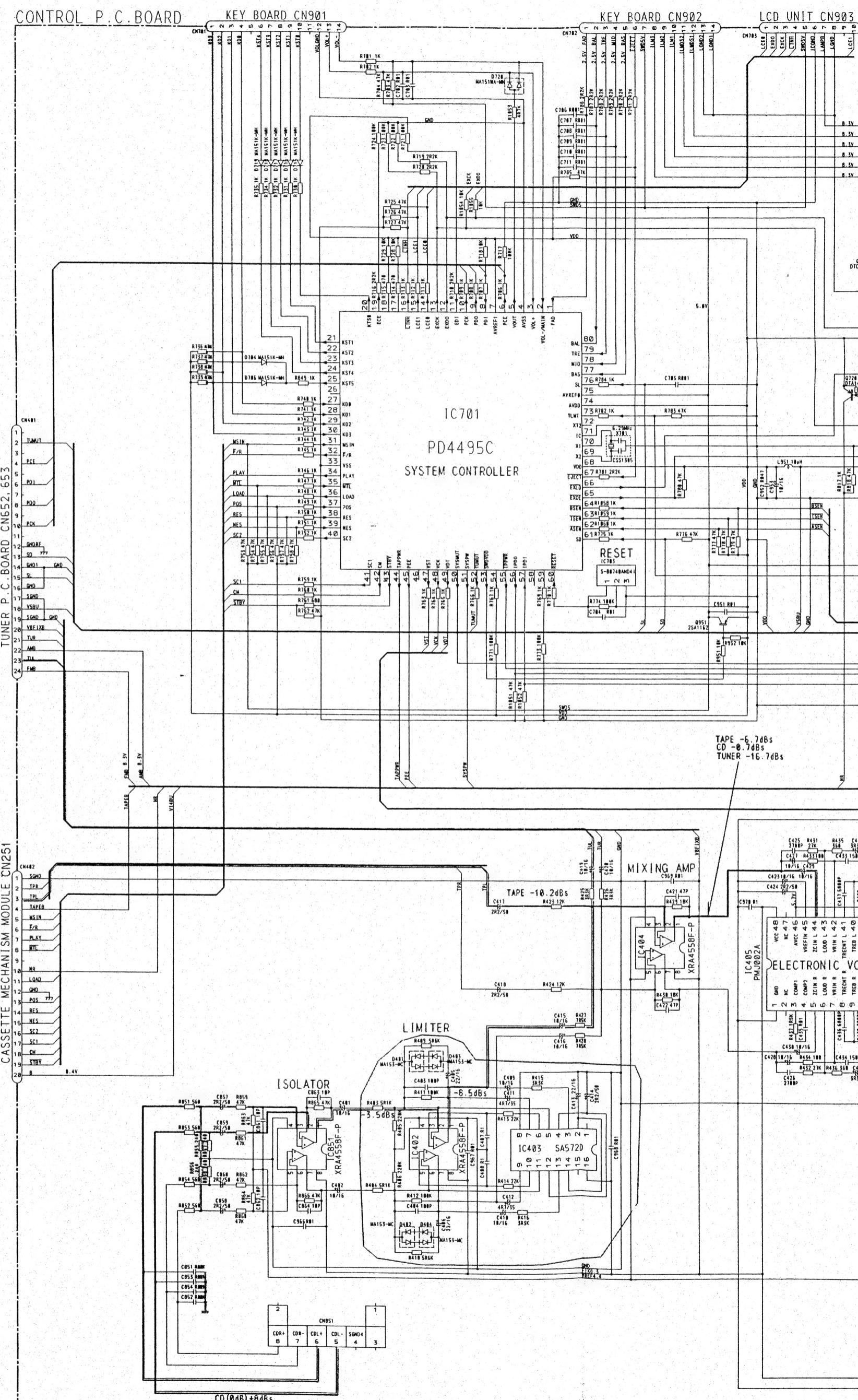
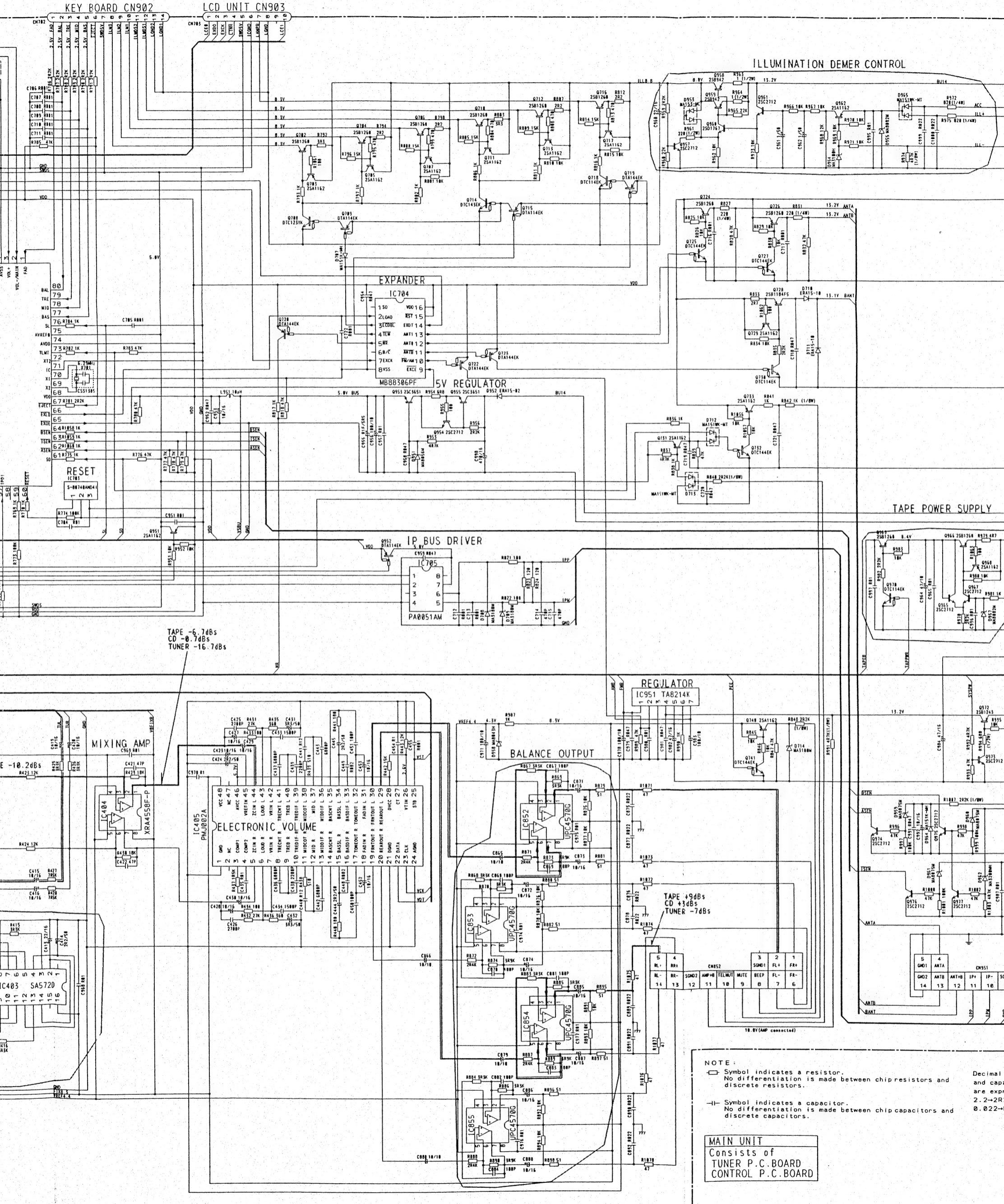


Fig. 13

● Circuit Diagram





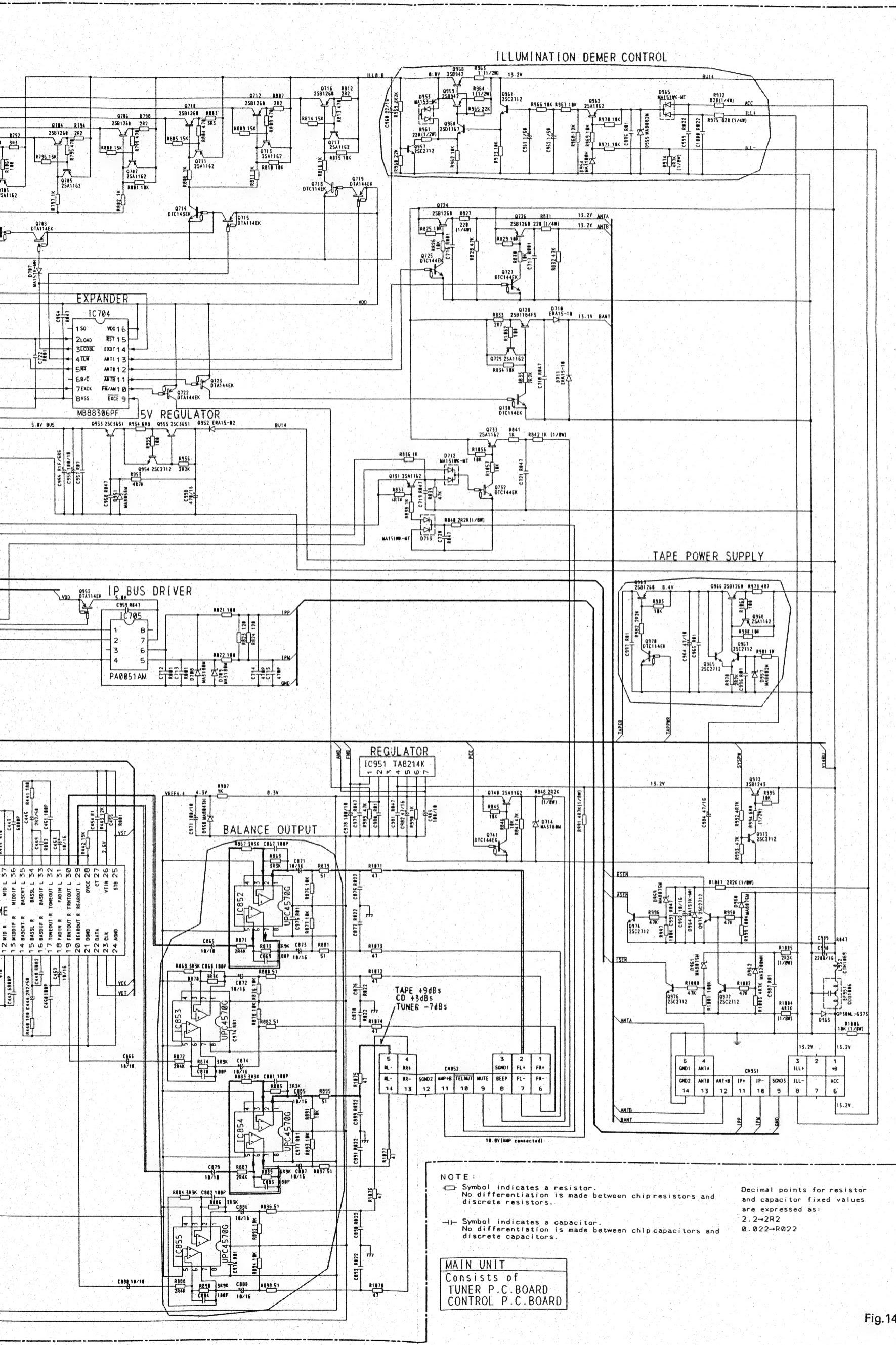


Fig.14

● Connection Diagram

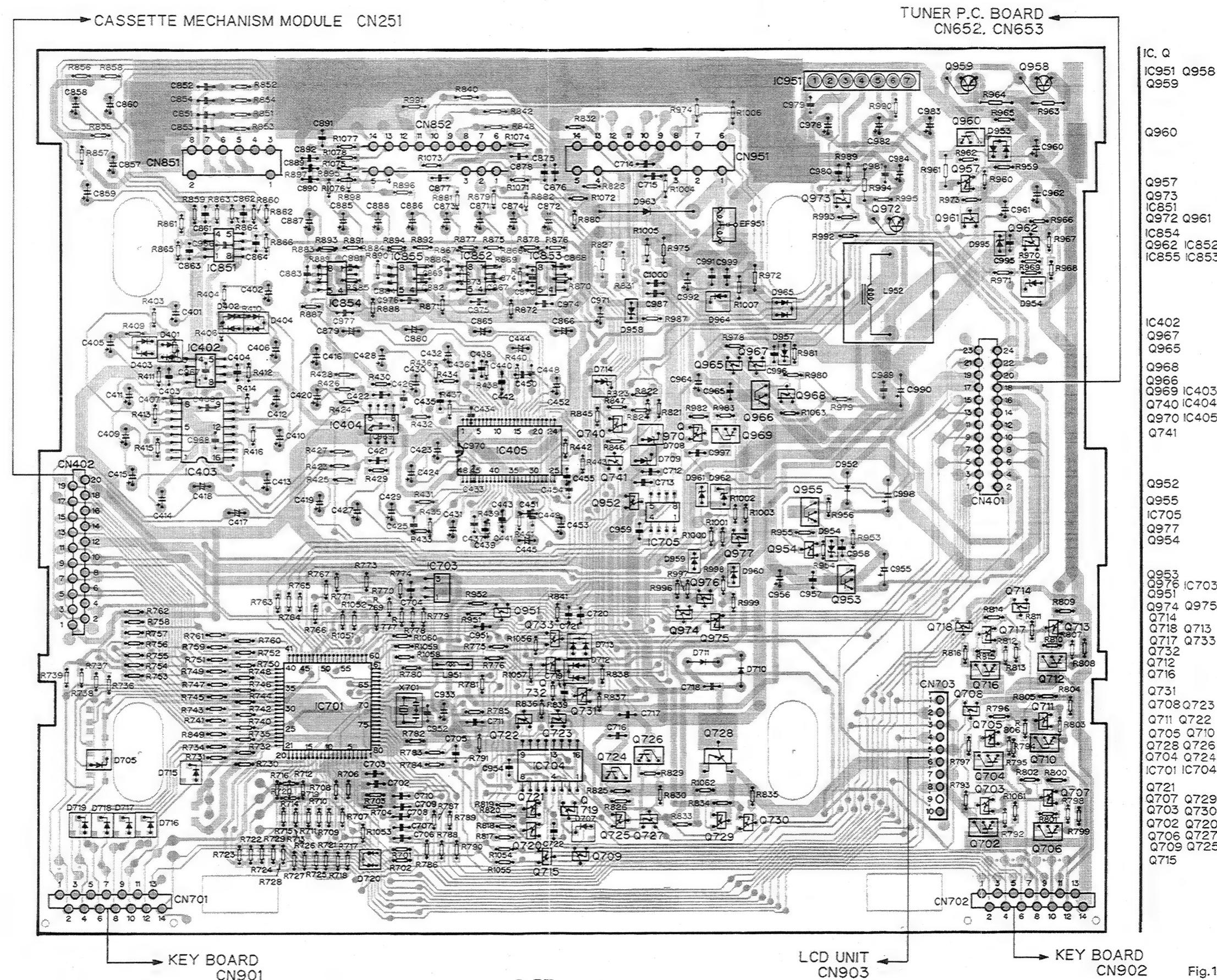


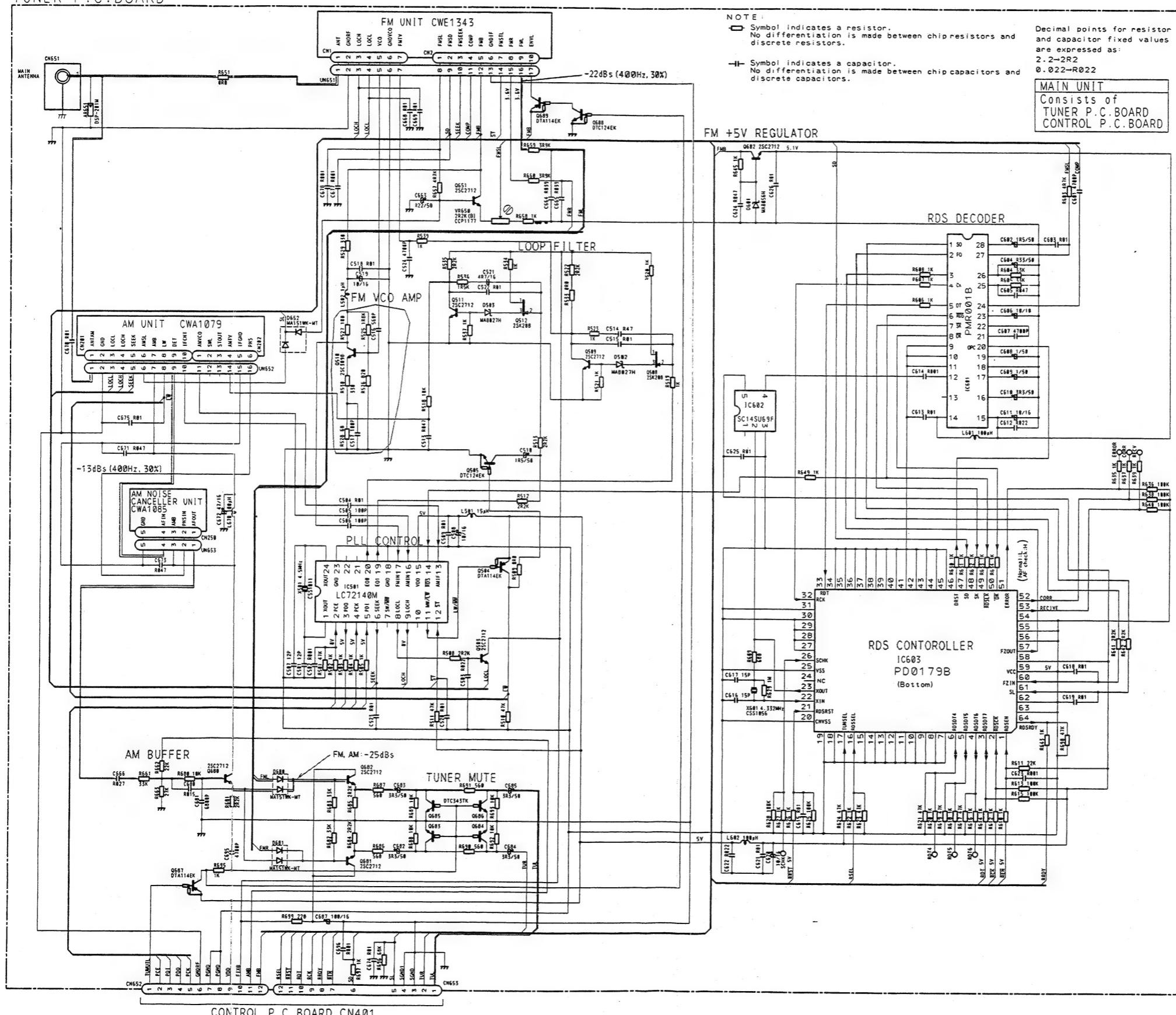
Fig.16

4.6 TUNER P.C.BOARD(KEX-P8256ZT/EW,KEX-P8156ZT/EW)

● Circuit Diagram

TUNER P.C.B. BOARD

A



A

B

C

D

● Connection Diagram

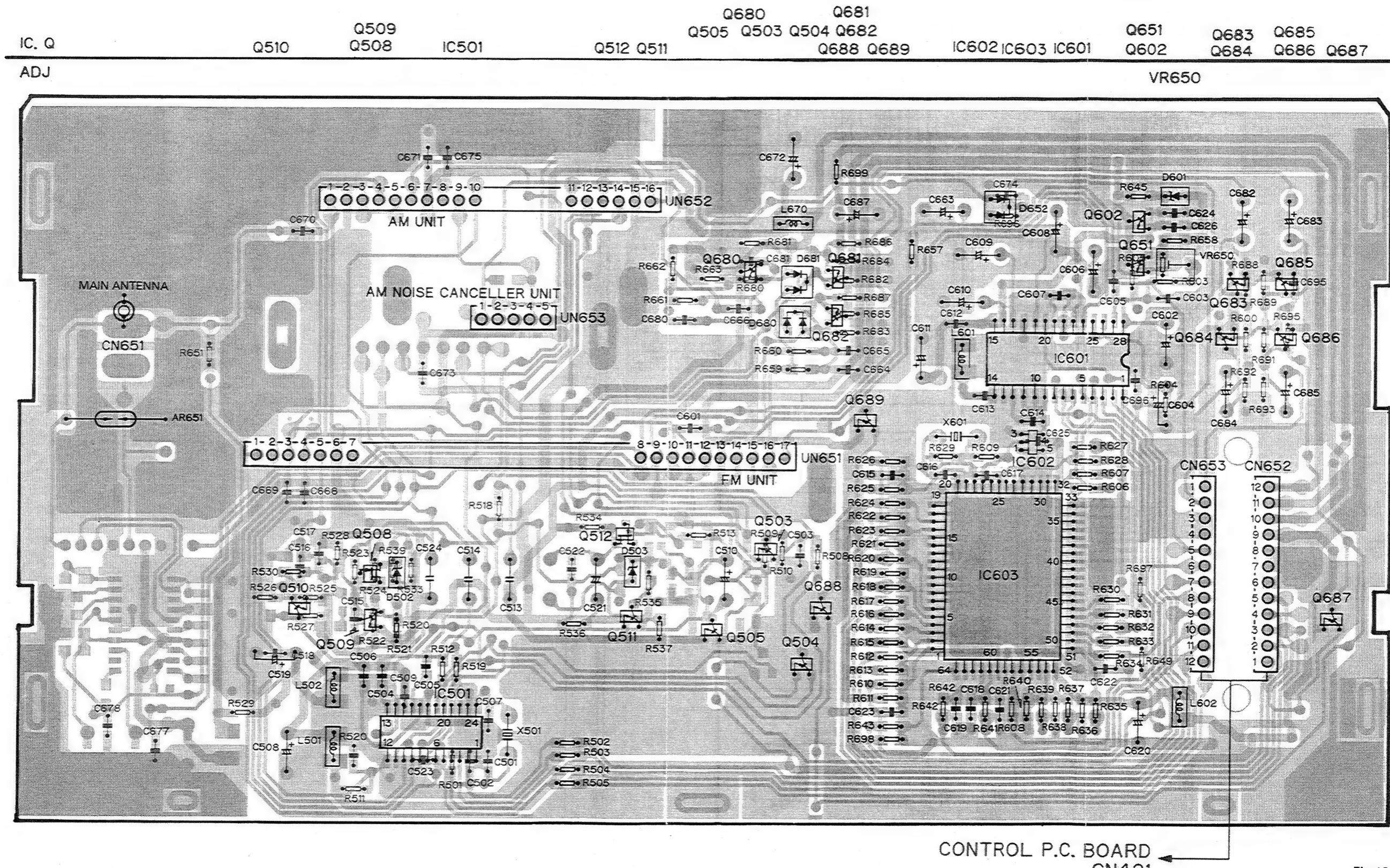


Fig. 18

4.7 TUNER P.C.BOARD(KEX-P8156ZT/UC)

● Circuit Diagram

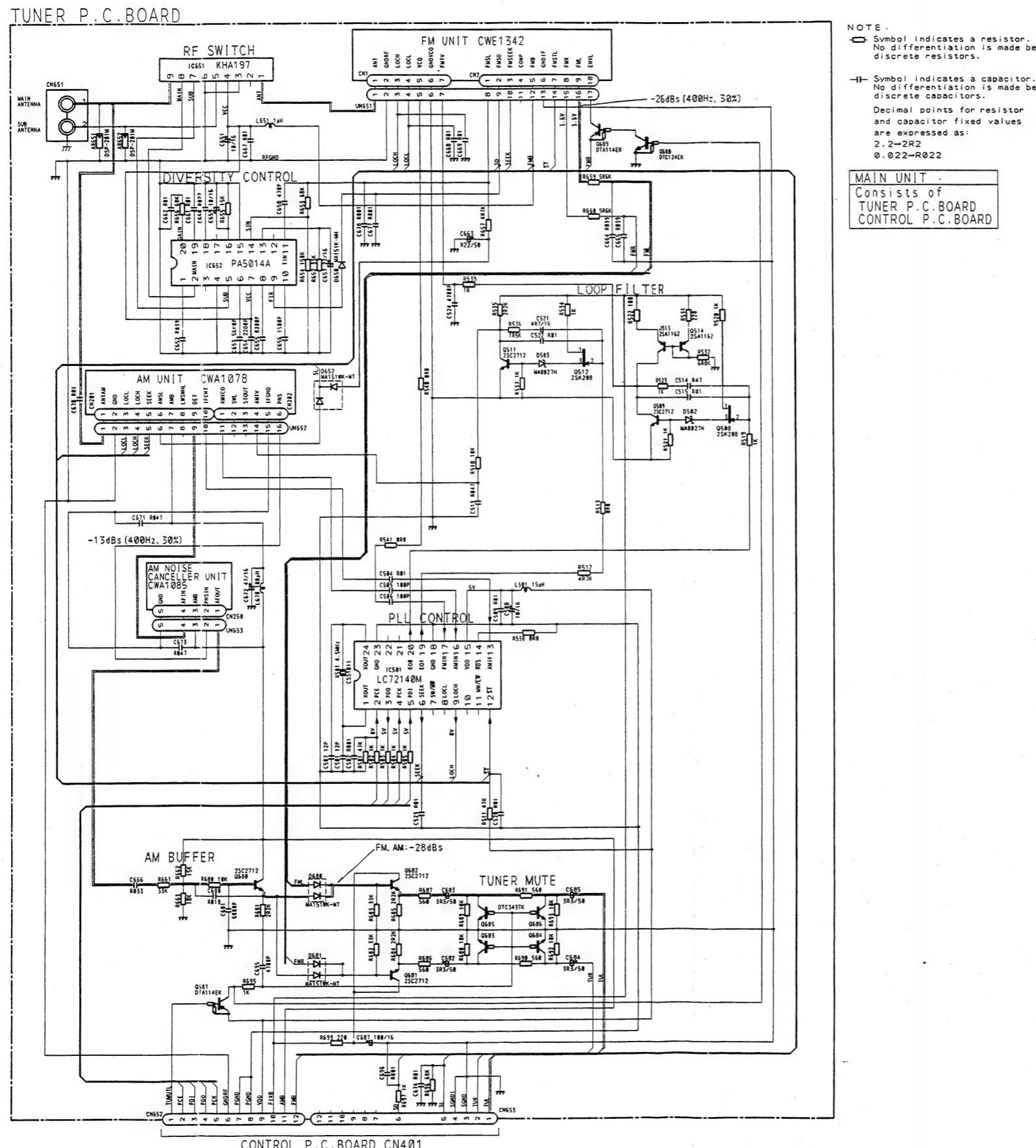


Fig.19

● Connection Diagram

IC, Q	IC651	IC652	Q513	Q509		Q680	Q681	Q683	Q685
			Q514	Q508	IC501	Q512	Q511	Q682	Q684
						Q688	Q689	Q686	Q687

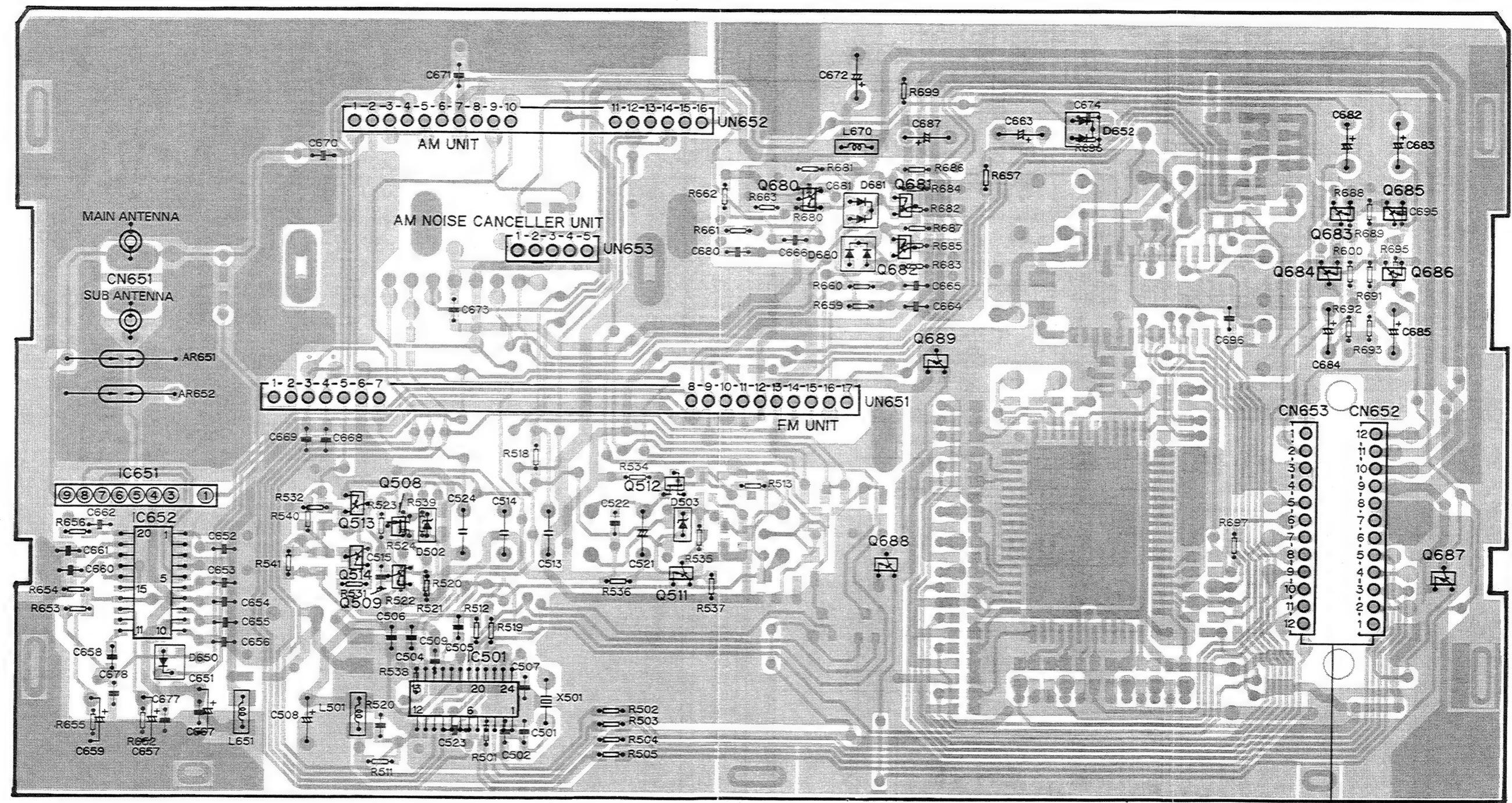
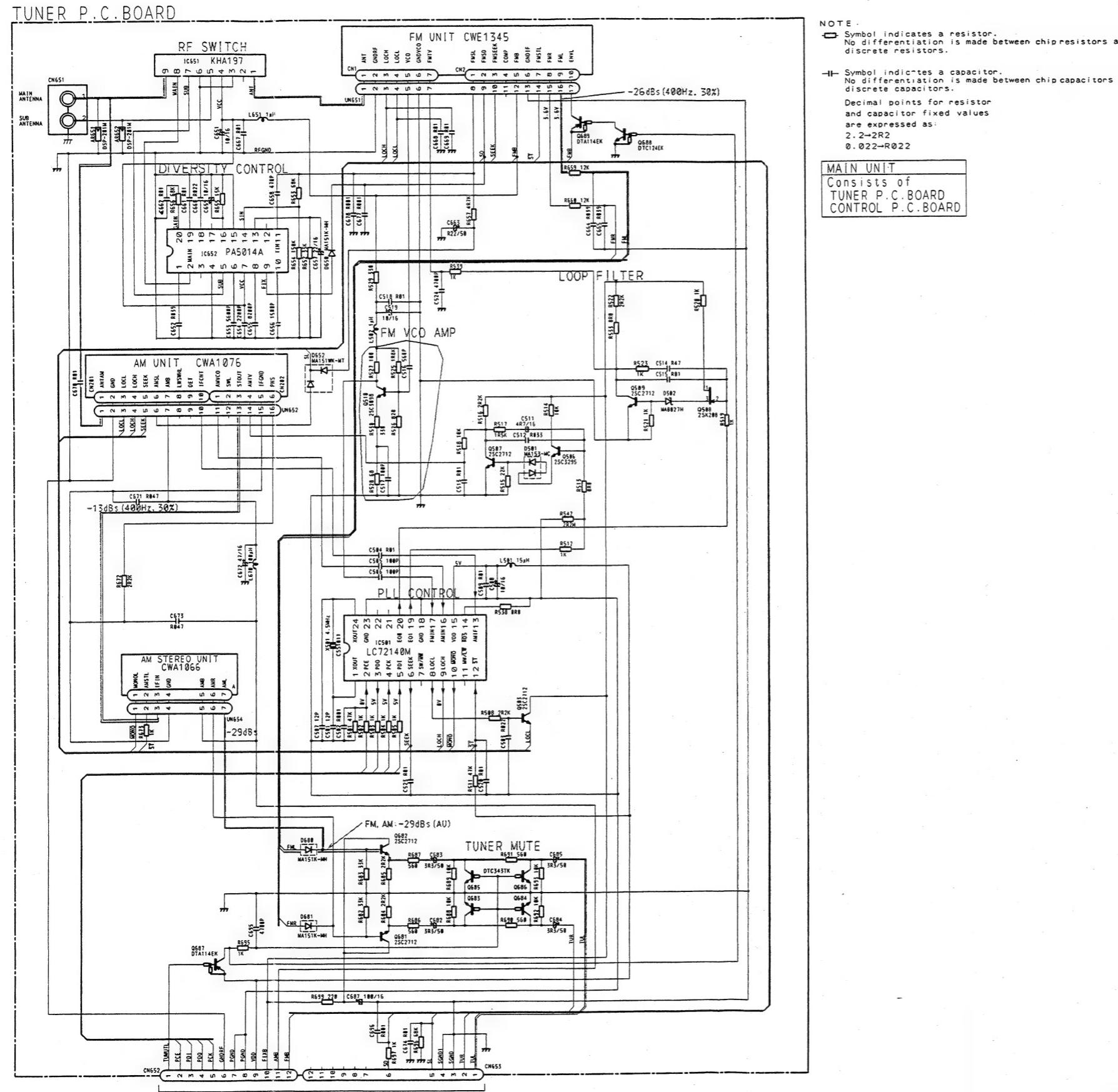
CONTROL P.C. BOARD
CN401

Fig.20

4.8 TUNER P.C.BOARD(KEX-P8256ZT/AU)

● Circuit Diagram



2-47

1

OL P.C. BOARD CN401

2-48

Fig.2

● Connection Diagram

IC. Q IC651 IC652 Q510 Q509 Q508 IC501 Q506 Q507 Q503 Q681 Q682 Q688 Q689 Q683 Q685 Q684 Q686 Q687

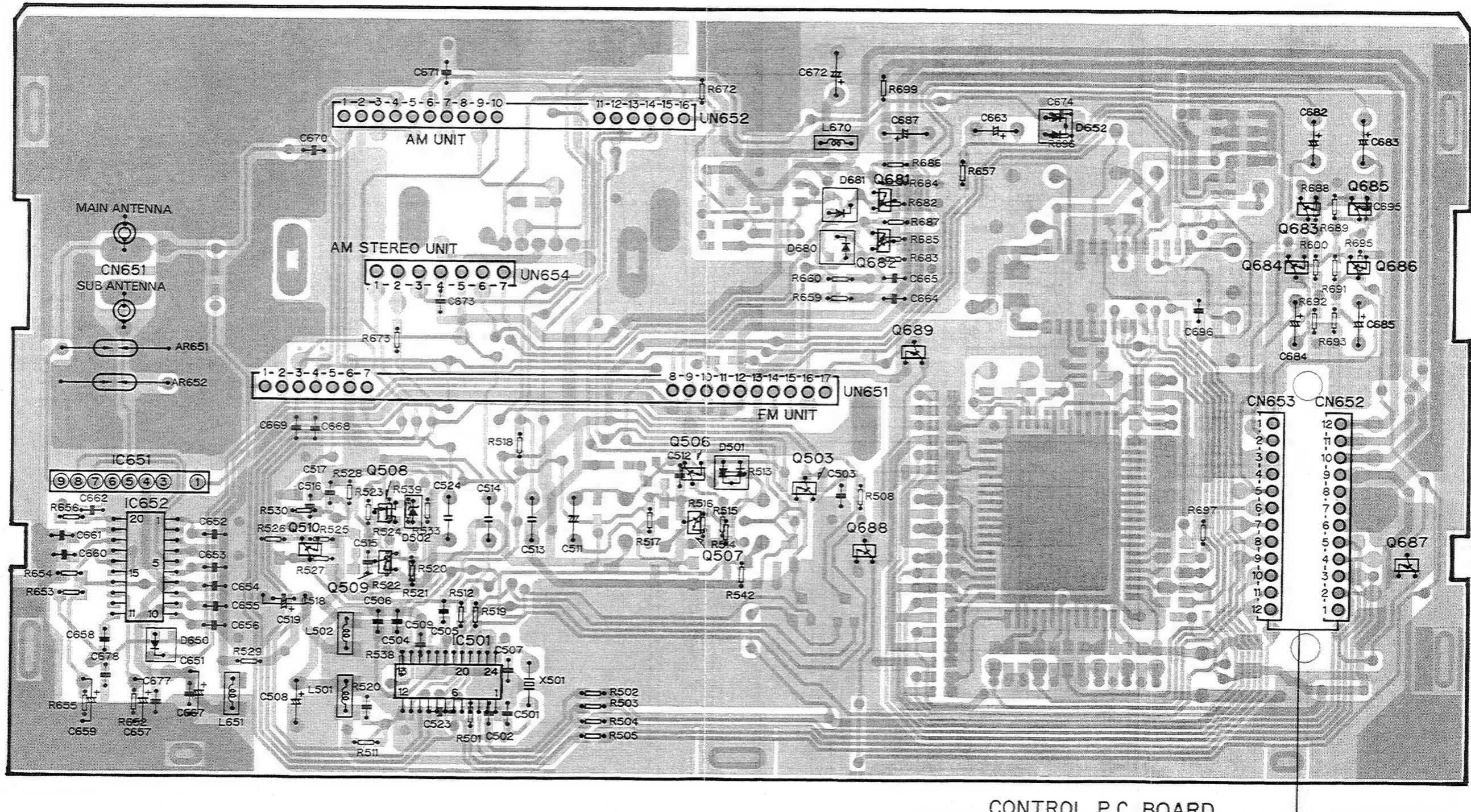


Fig.22

4.9 TUNER P.C.BOARD(KEX-P8256ZT/ES)

● Circuit Diagram

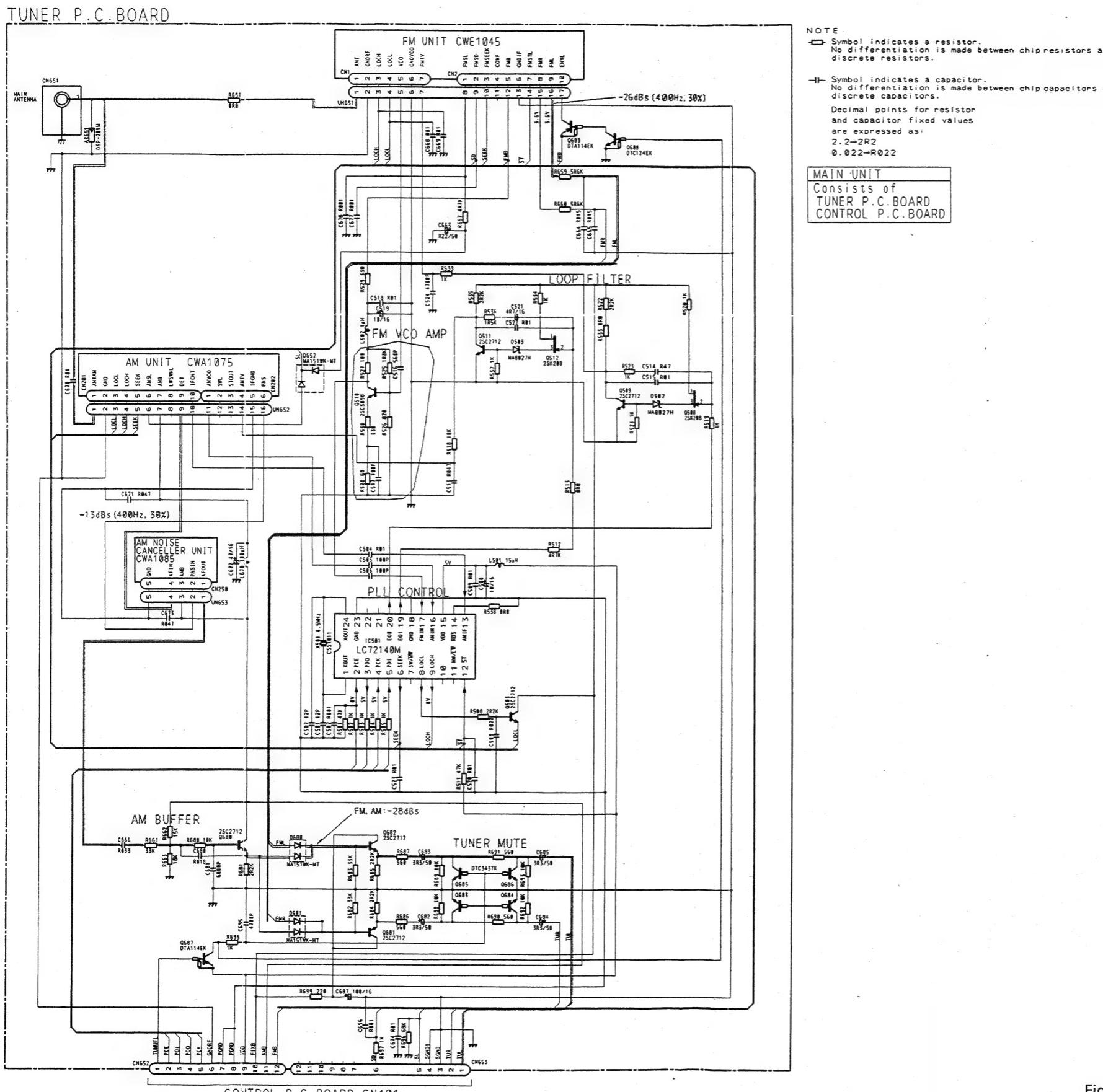
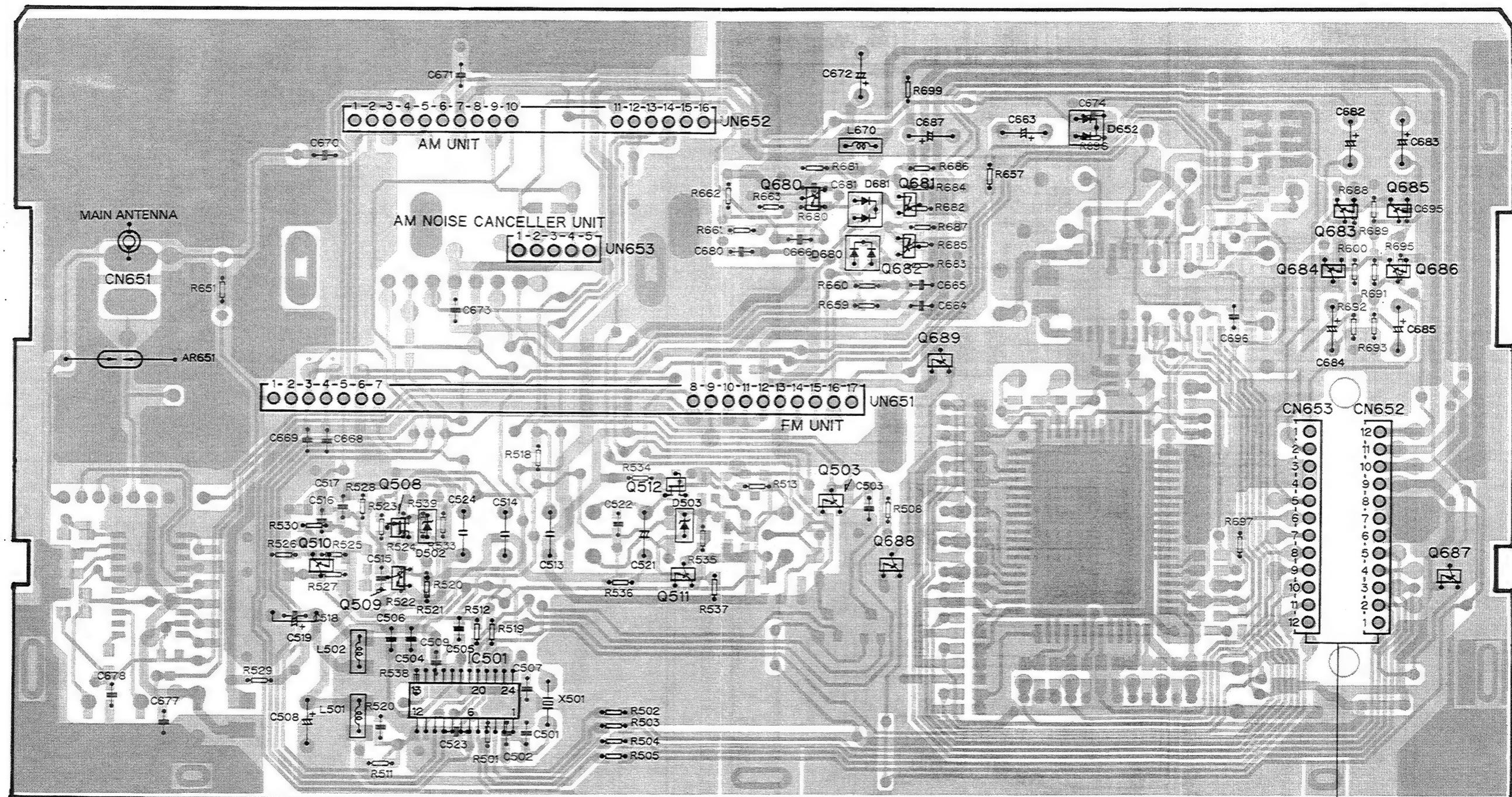


Fig.23

● Connection Diagram



CONTROL P.C. BOARD
CN401

Fig.24

4.10 TUNER P.C.BOARD(KEX-P8156ZT/ES)

● Circuit Diagram

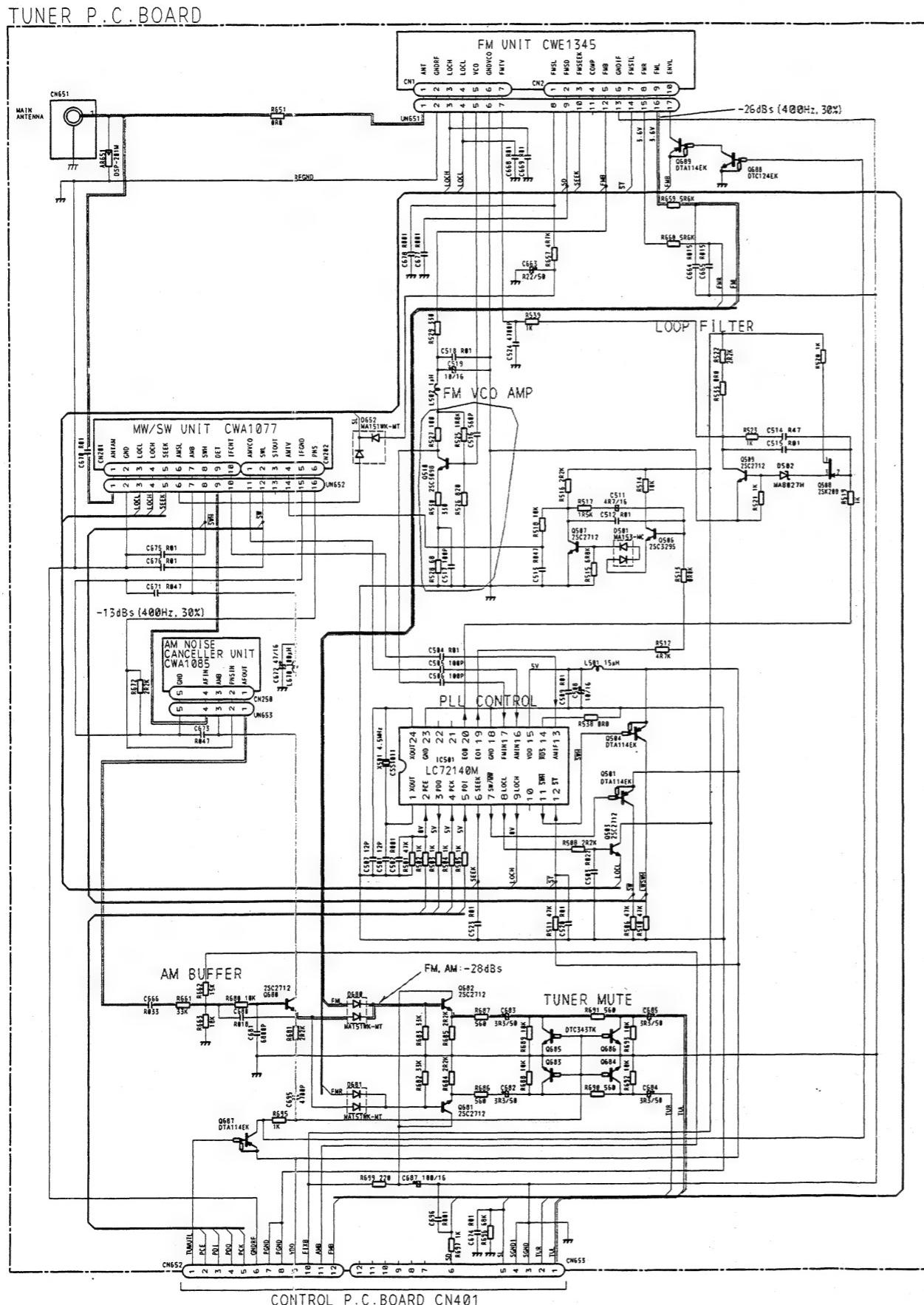
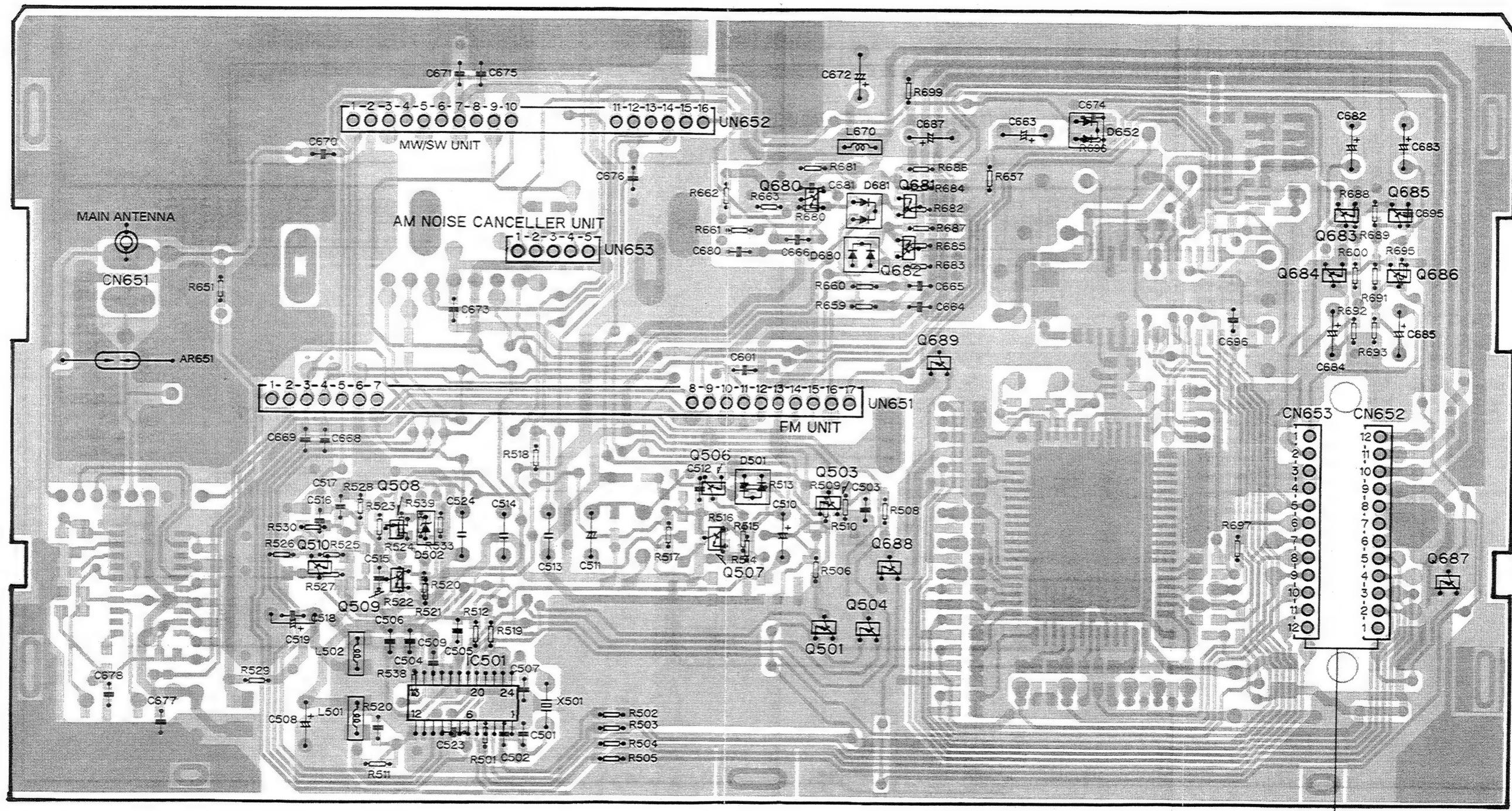


Fig.25

● Connection Diagram

IC, Q Q510 Q509 Q508 Q503 Q504 Q682 Q680 Q681 IC602 IC603 IC601 Q683 Q685
Q501 Q507 Q501 Q688 Q689 IC601 Q684 Q686 Q687



CONTROL P.C. BOARD
CN401

Fig.26

4.11 LCD UNIT**● Circuit Diagram**

A

LCD UNIT

A

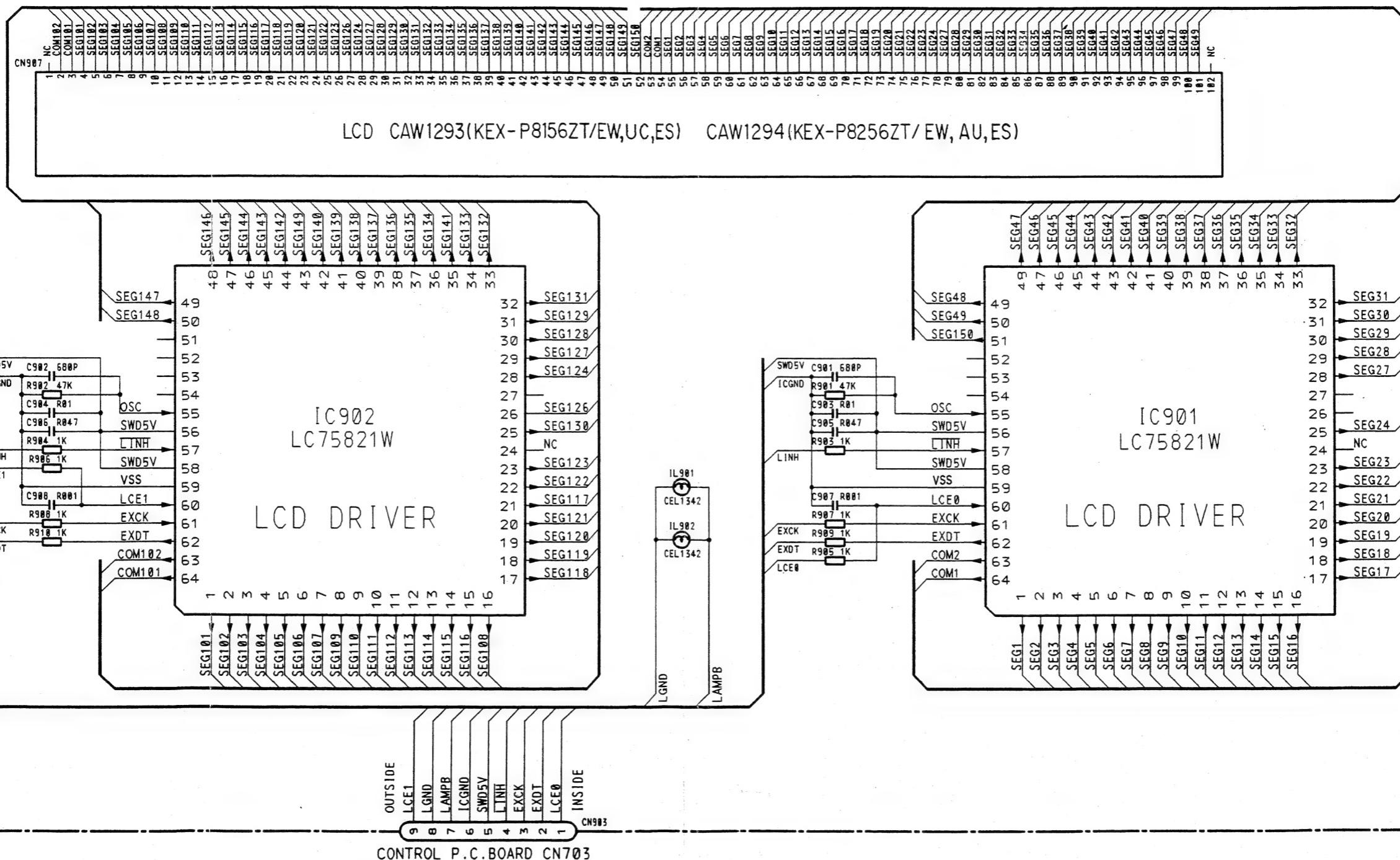


Fig.27

D

D

● Connection Diagram

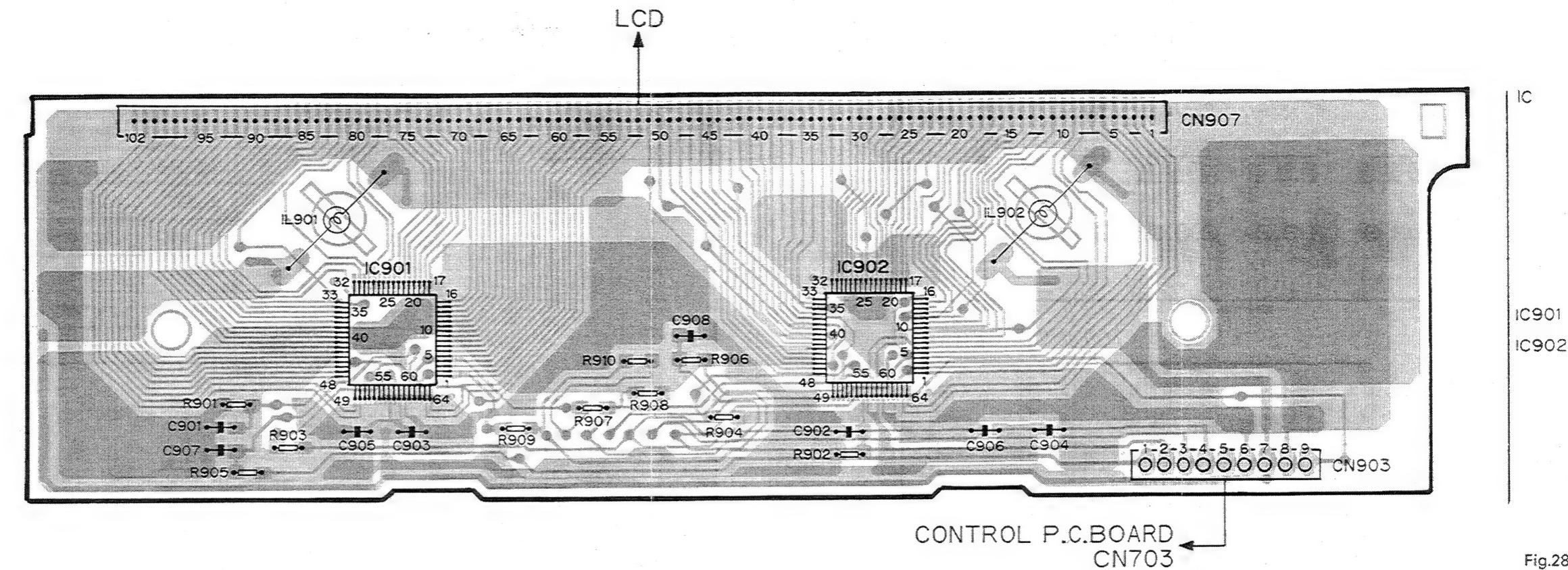
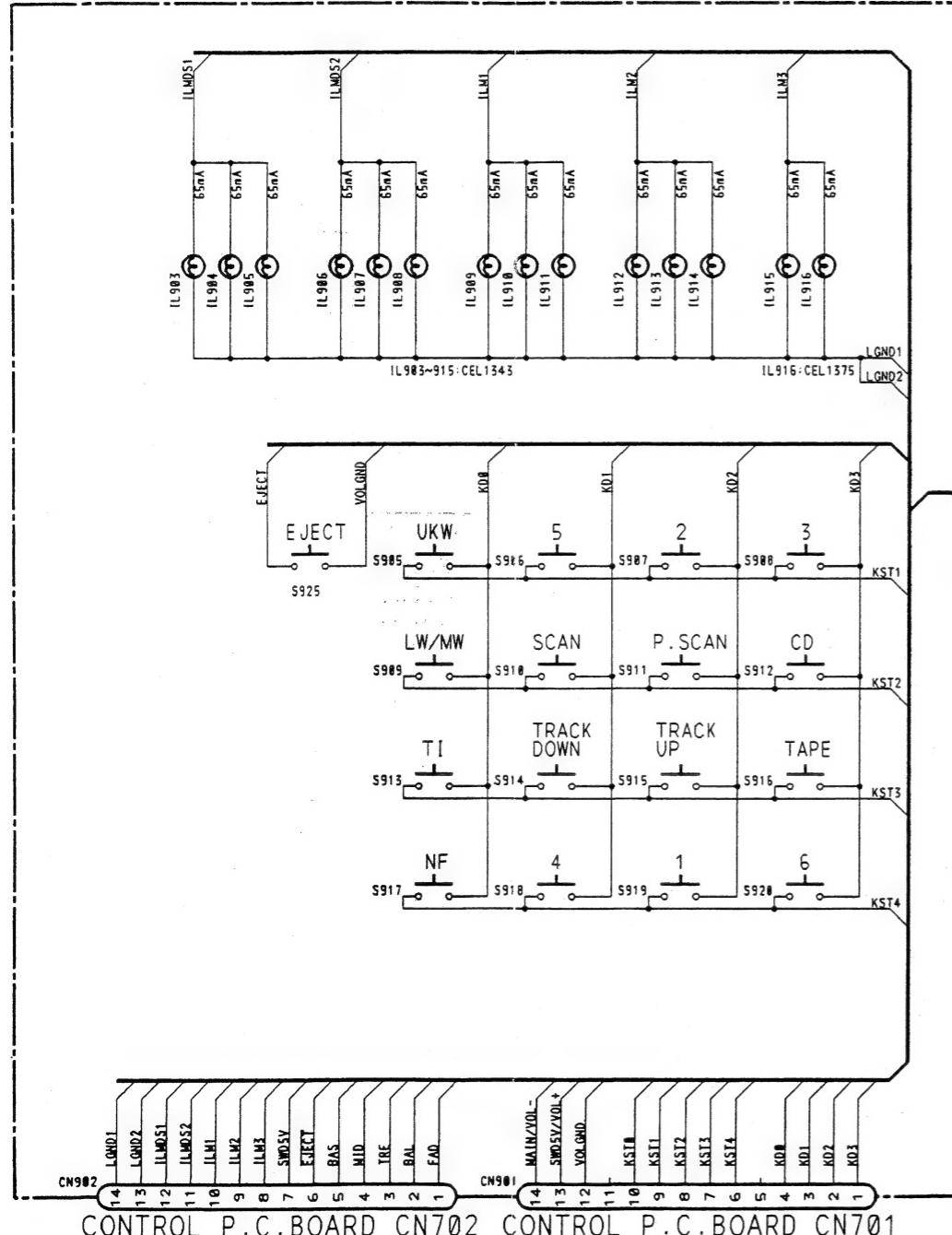


Fig.28

4.12 KEY BOARD UNIT**● Circuit Diagram**

A

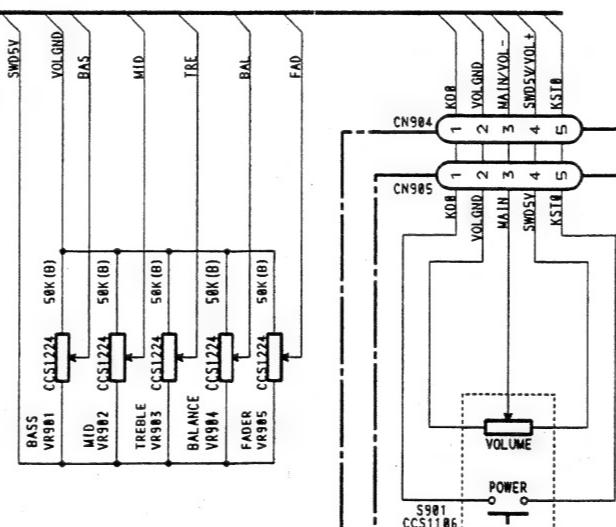
KEY BOARD

B

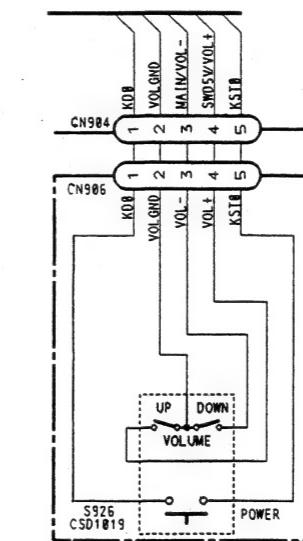
	P8156ZT/EW P8156ZT/EW	P8156ZT/UC	P8156ZT/ES	P8256ZT/AU	P8256ZT/ES
S905	UKW	FM1/2	FM	FM1/2	FM1/2
S909	LW/MW	AM	AM/SW	AM	AM
S913	TI	DELETED	DELETED	AM MONO	DELETED
S917	NF	DELETED	DELETED	DELETED	DELETED
IL904	CEL1343	CEL1343	CEL1343	CEL1343	CEL1343
IL906	CEL1343	DELETED	DELETED	CEL1343	CEL1343
S926	DELETED	DELETED	CSD1019	CSD1019	CSD1019
S901	CCS1106	CCS1106	DELETED	DELETED	DELETED

A

C



VOLUME P.C. BOARD
(KEX-P8256ZT/EW,
KEX-P8156ZT/EW, UC)



ENCODER P.C. BOARD
(KEX-P8256ZT/AU, ES,
KEX-P8156ZT/ES)

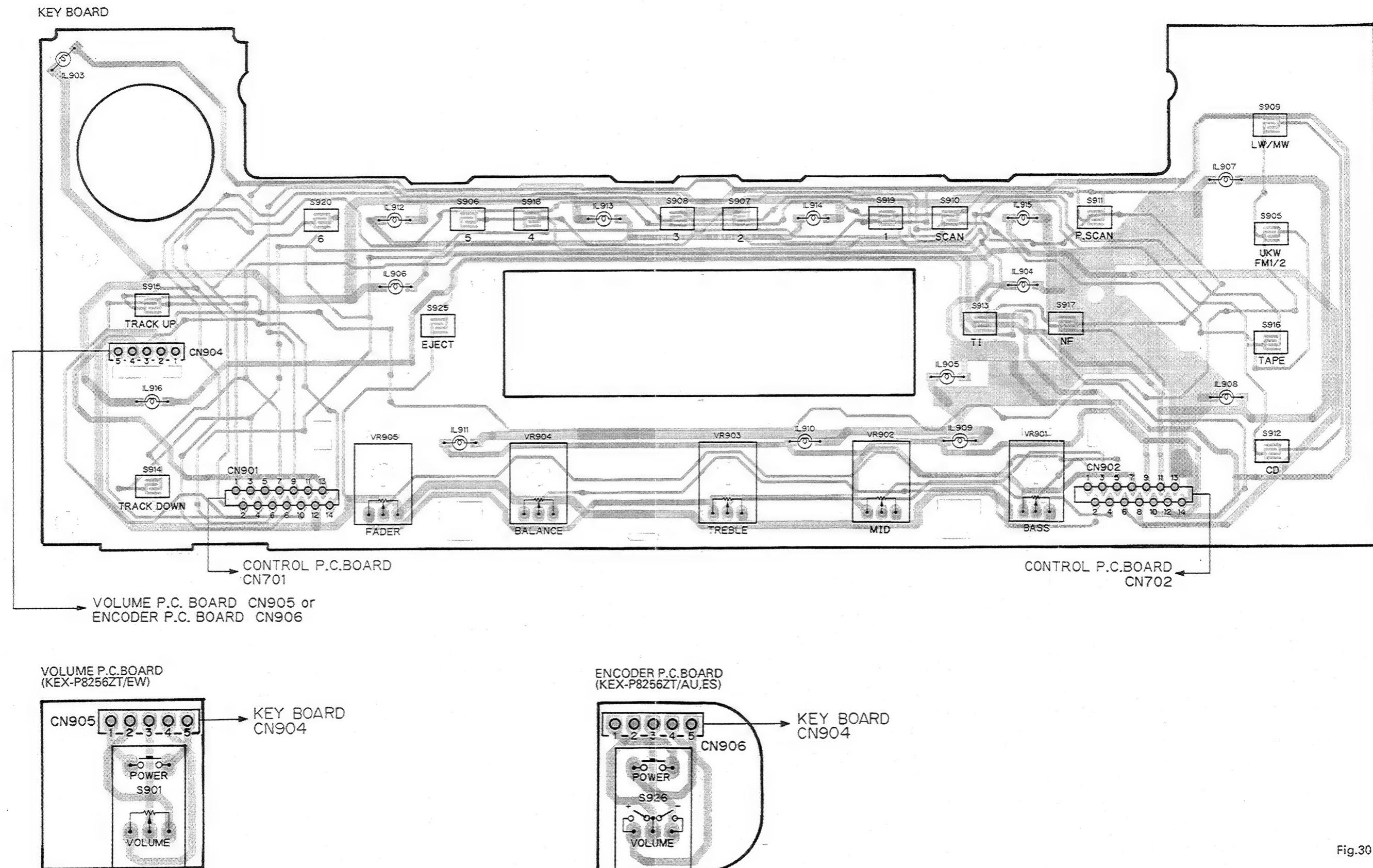
D

Fig.29

CN982 14 LND1 13 LND2 12 LND51 10 LND1 9 LND2 8 SMD5V 7 EJECT 6 BAS 5 MID 4 TRE 3 BAL 2 FAD
CN981 14 MAIN/VOL- 13 SMD5V/VOL+ 12 VOL GND 11 KST1 10 KST2 9 KST3 8 KST4 7 KST5 6 KST6 5 KST7 4 KST8 3 KST9 2 KST10

CONTROL P.C. BOARD CN702 CONTROL P.C. BOARD CN701

● Connection Diagram(KEX-P8256ZT/EW,AU,ES)



● Connection Diagram(KEX-P8156ZT/EW,UC,ES)

KEY BOARD

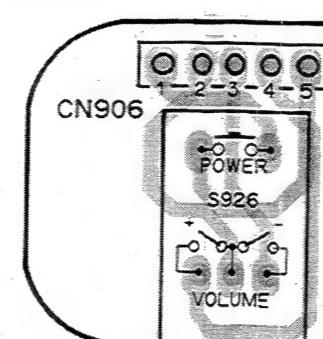
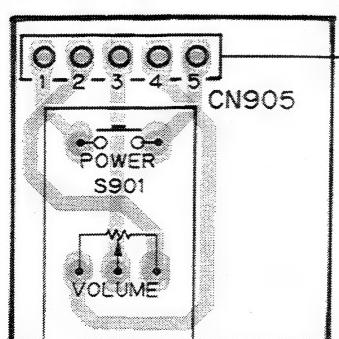
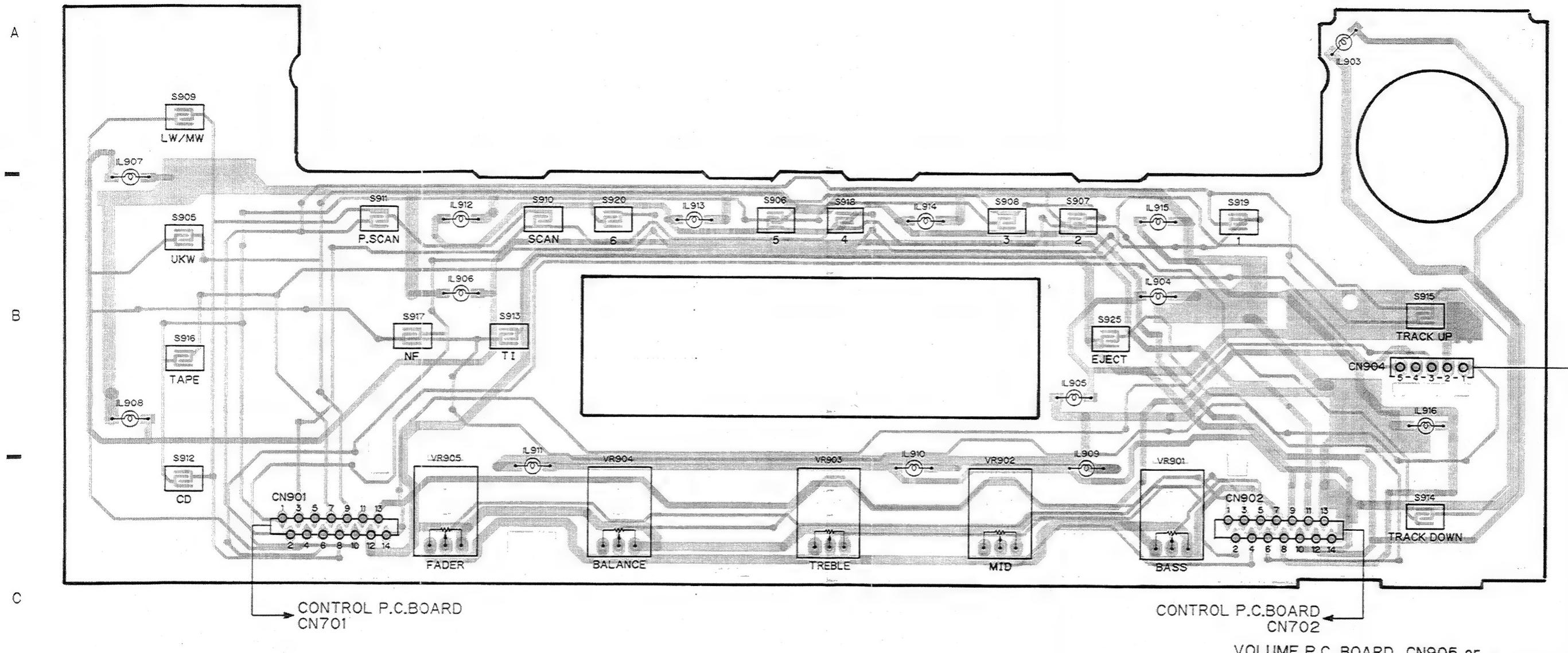


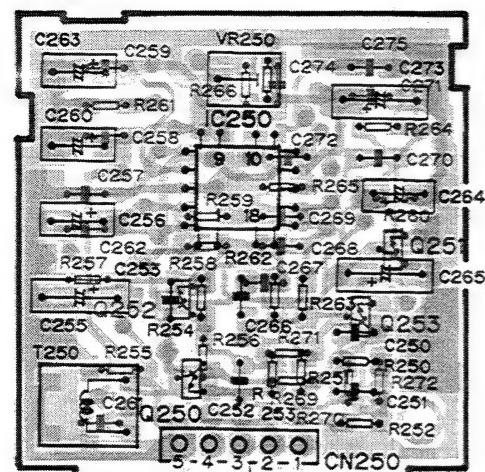
Fig.31

4.13 AM NOISE CANCELLER UNIT

● Connection Diagram

● Circuit Diagram

Q252
IC. Q Q250 IC250 Q253 Q251



TUNER P.C. BOARD

Fig.31

TUNER P.C.B. BOARD

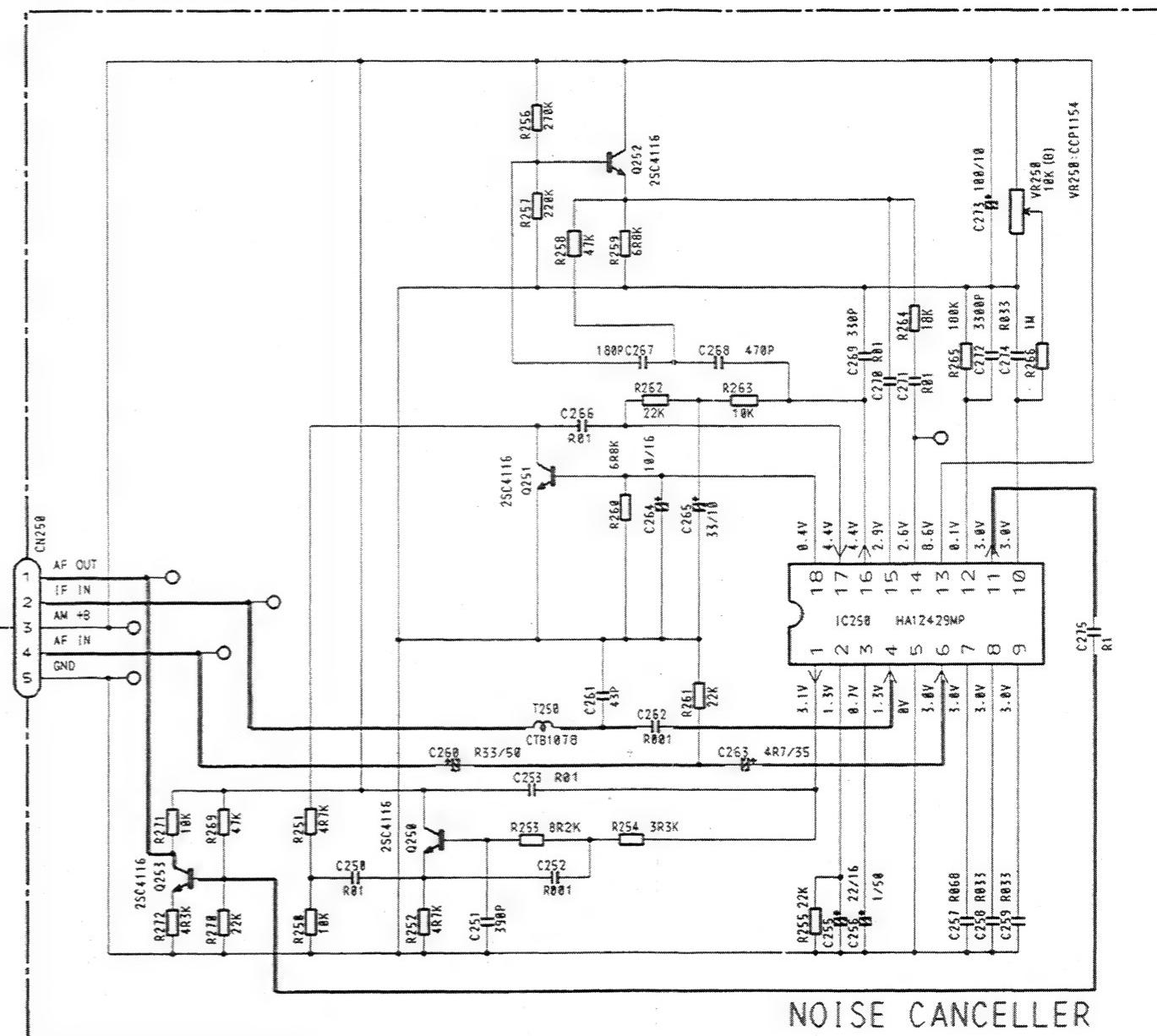


Fig.33

4.14 FM UNIT(KEX-P8256ZT/EW,KEX-P8156ZT/EW)

● Circuit Diagram

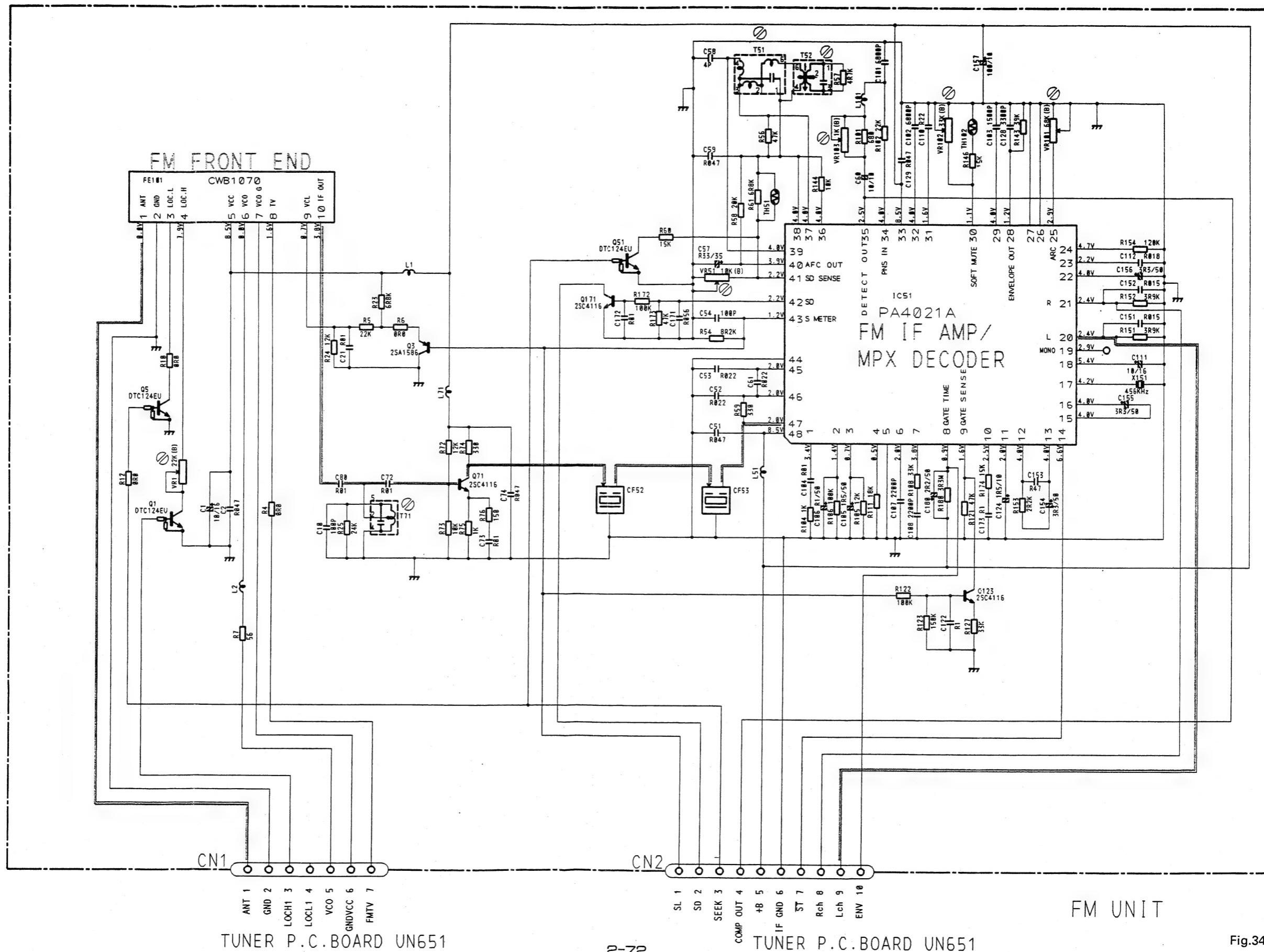


Fig.34

● Connection Diagram

IC, Q	Q1	Q5	Q3	Q71	Q51	Q123
ADJ	VR1			T71	VR51	T51
					VR103	VR102 VR101

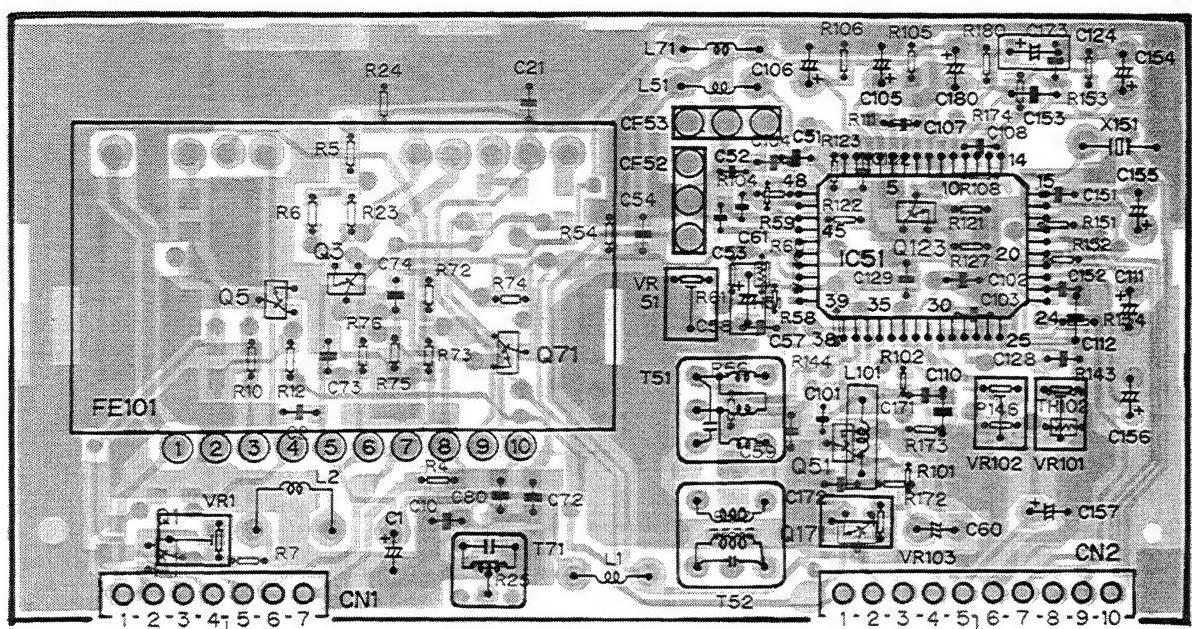


Fig.35

→ TUNER P.C. BOARD
UN651

→ TUNER P.C. BOARD
UN651

4.15 FM UNIT(KEX-P8156ZT/UC)

● Connection Diagram

IC, Q	Q3	Q51	Q123
ADJ		Q171	IC51
		VR51	T51

VR103 VR102 VR101

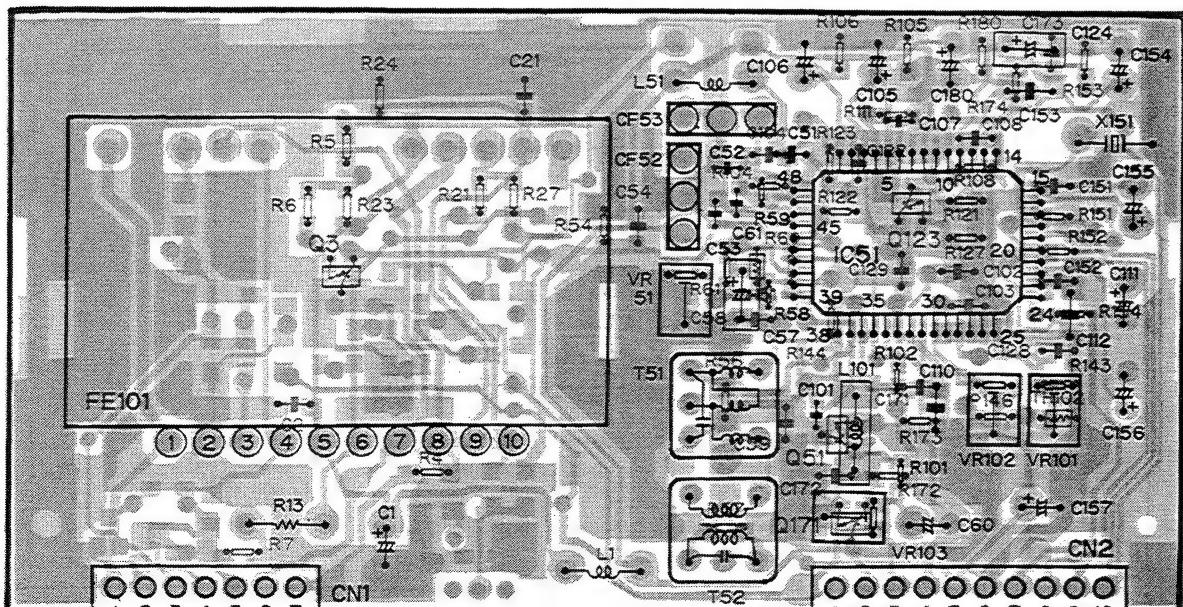


Fig.36

→ TUNER P.C. BOARD
UN651

→ TUNER P.C. BOARD
UN651

● Circuit Diagram

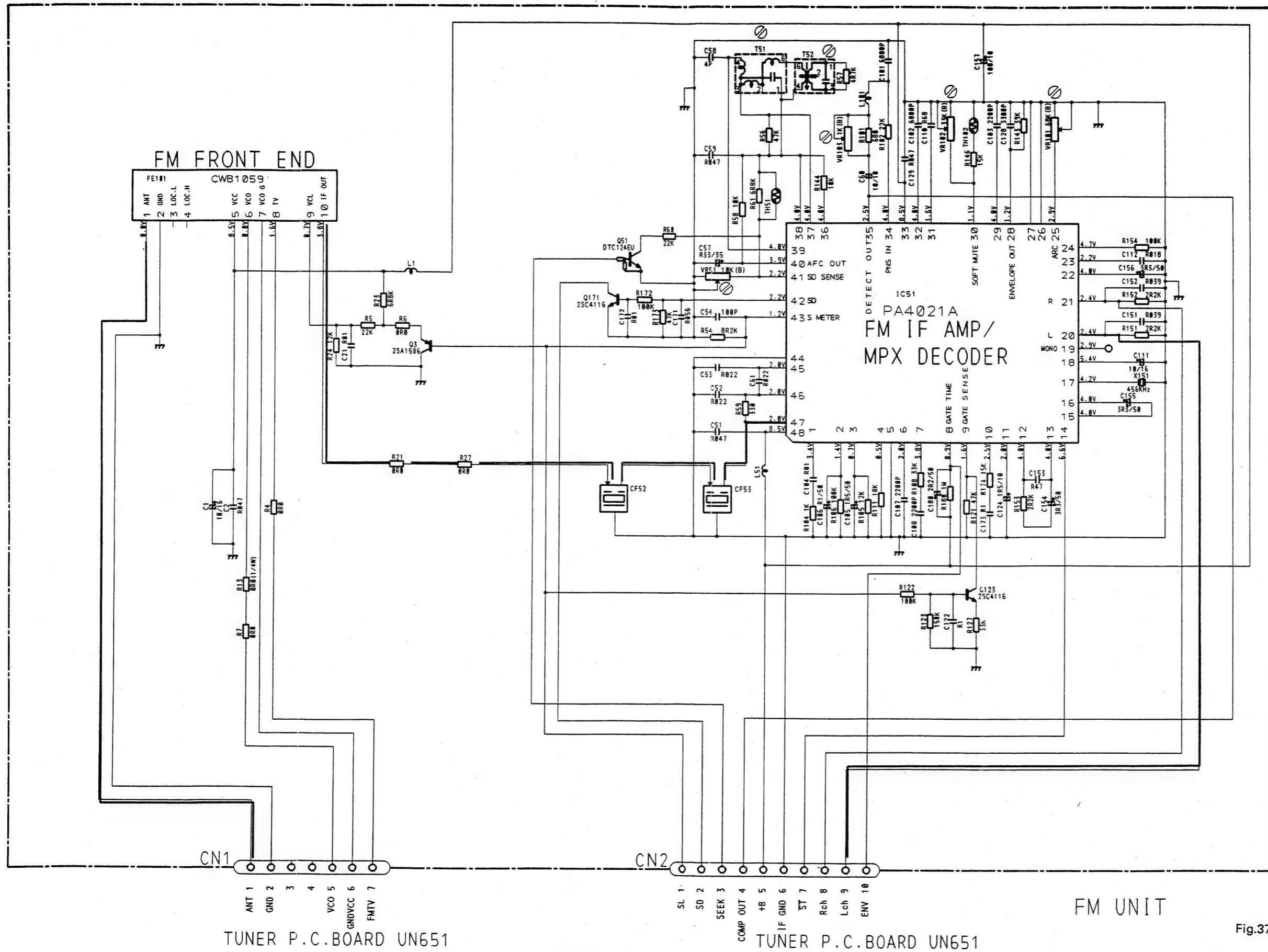


Fig.37

KEX-P825 6ZT,P8256ZT-91,P8156ZT,P8156ZT-91

4.16 FM UNIT(KEX-P8256ZT/AU,ES,KEX-P8156ZT/ES)

● Circuit Diagram

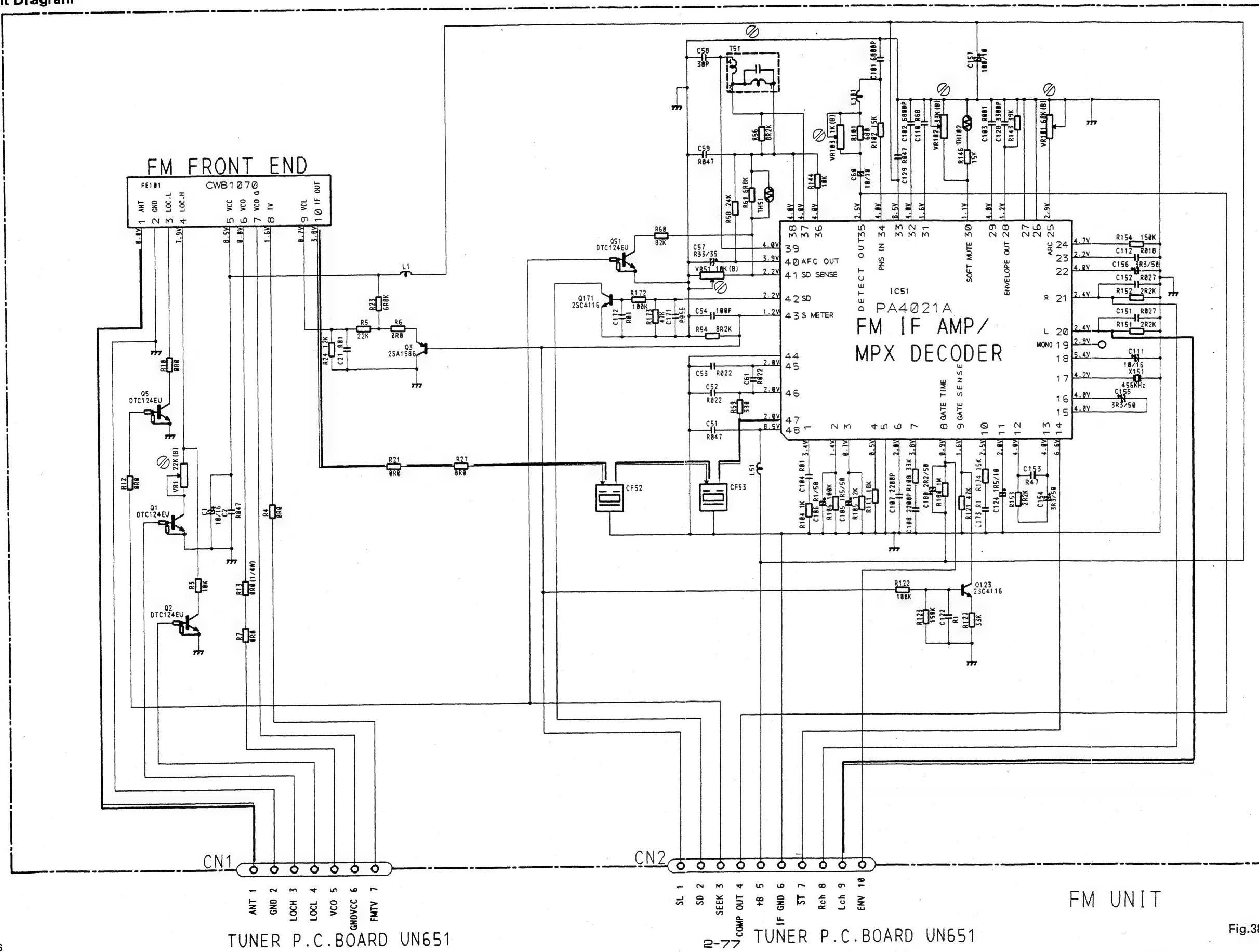


Fig.38

● Connection Diagram

IC, Q	Q2	Q1	Q5	Q3		Q51	Q123		
						Q171	IC51		
ADJ		VR1			VR51	T51	VR103	VR102	VR101

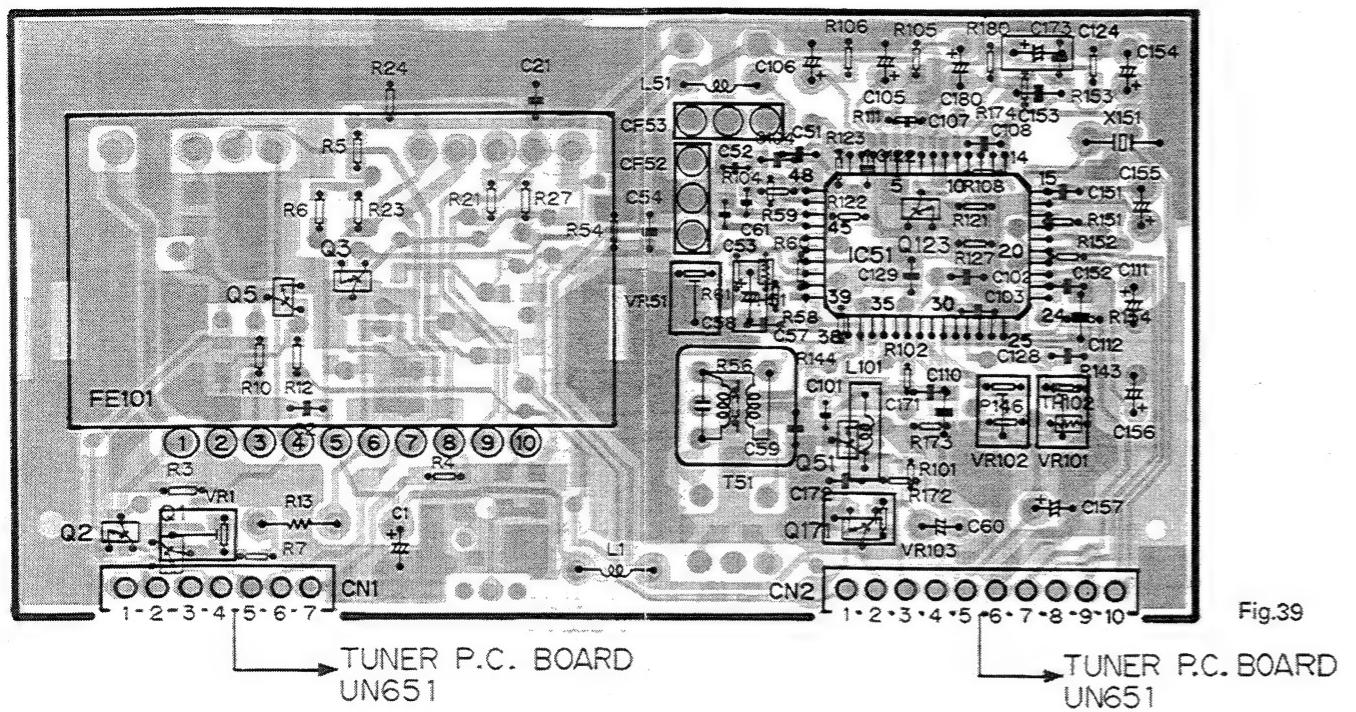


Fig.39

4.17 AM UNIT(KEX-P8256ZT/EW,KEX-P8156ZT/EW)

● Connection Diagram

IC201		Q231	Q204	
		Q232	Q201	Q206
IC.	Q202			
ADJ	T204	T203	VR201	
	T205	T206	VR202	

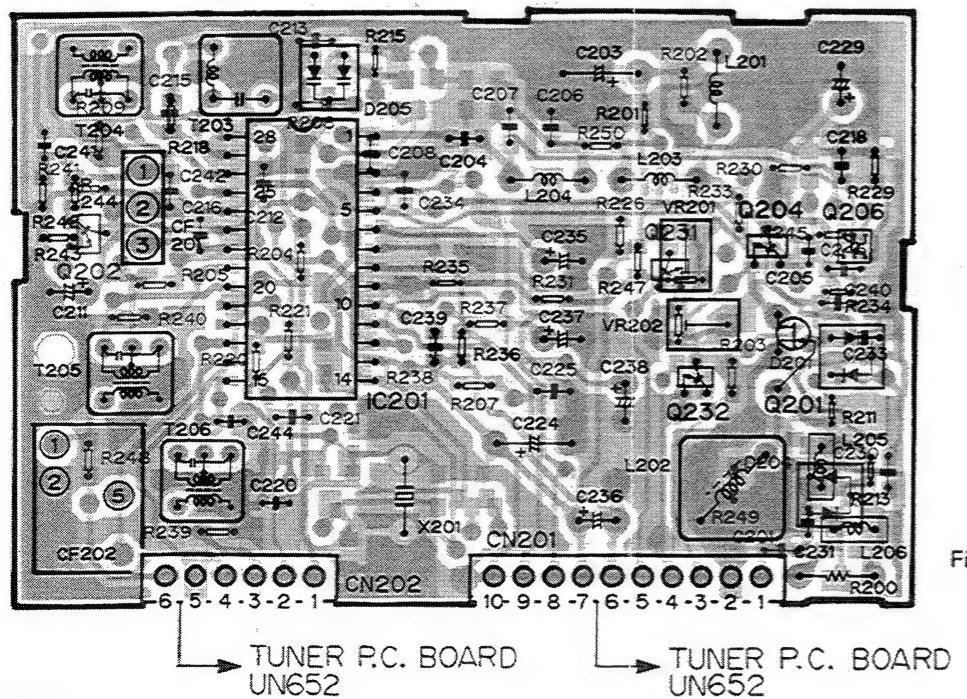


Fig.40

● Circuit Diagram

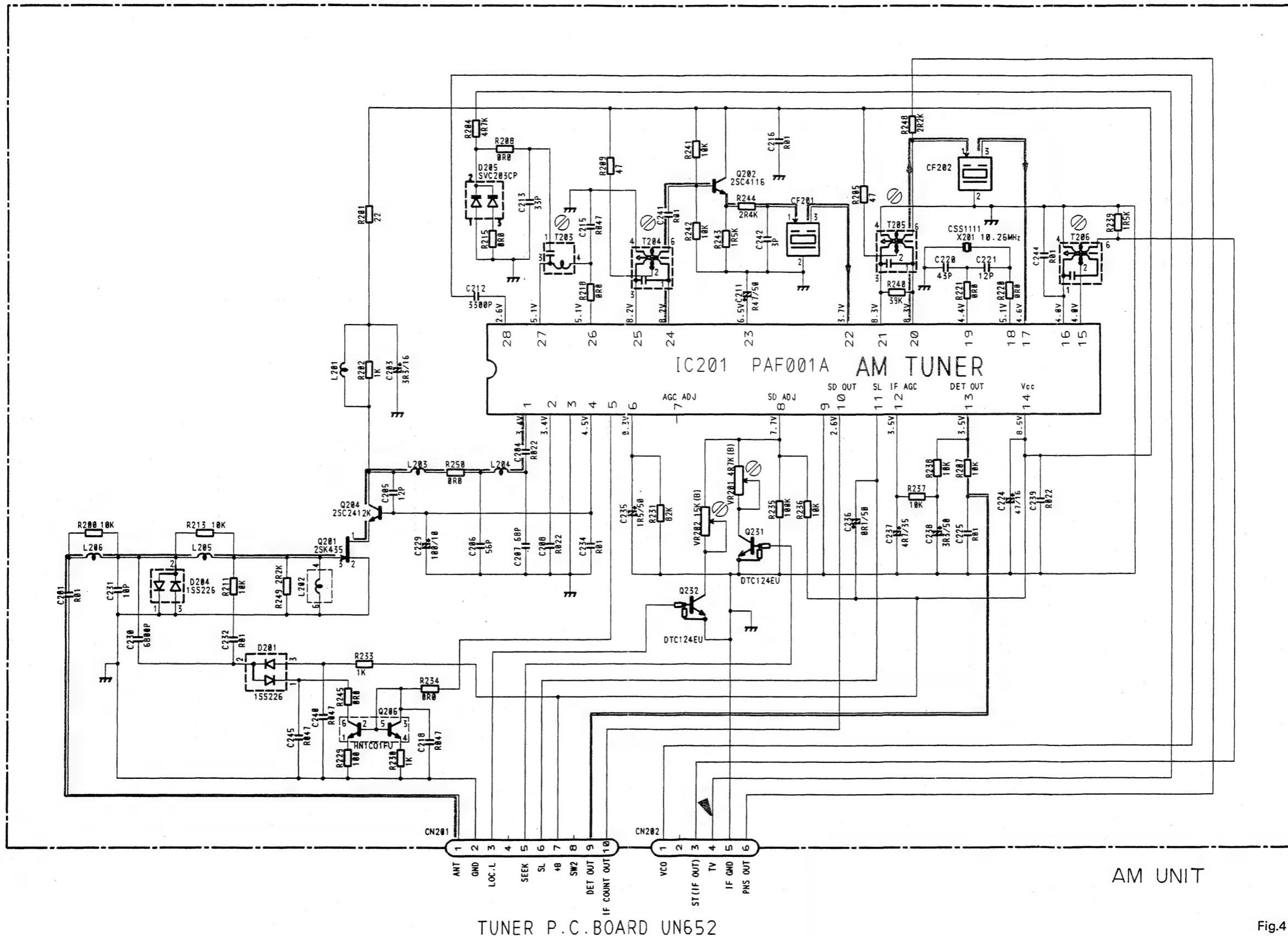


Fig.41

4.18 AM UNIT(KEX-P8156ZT/UC)

● Circuit Diagram

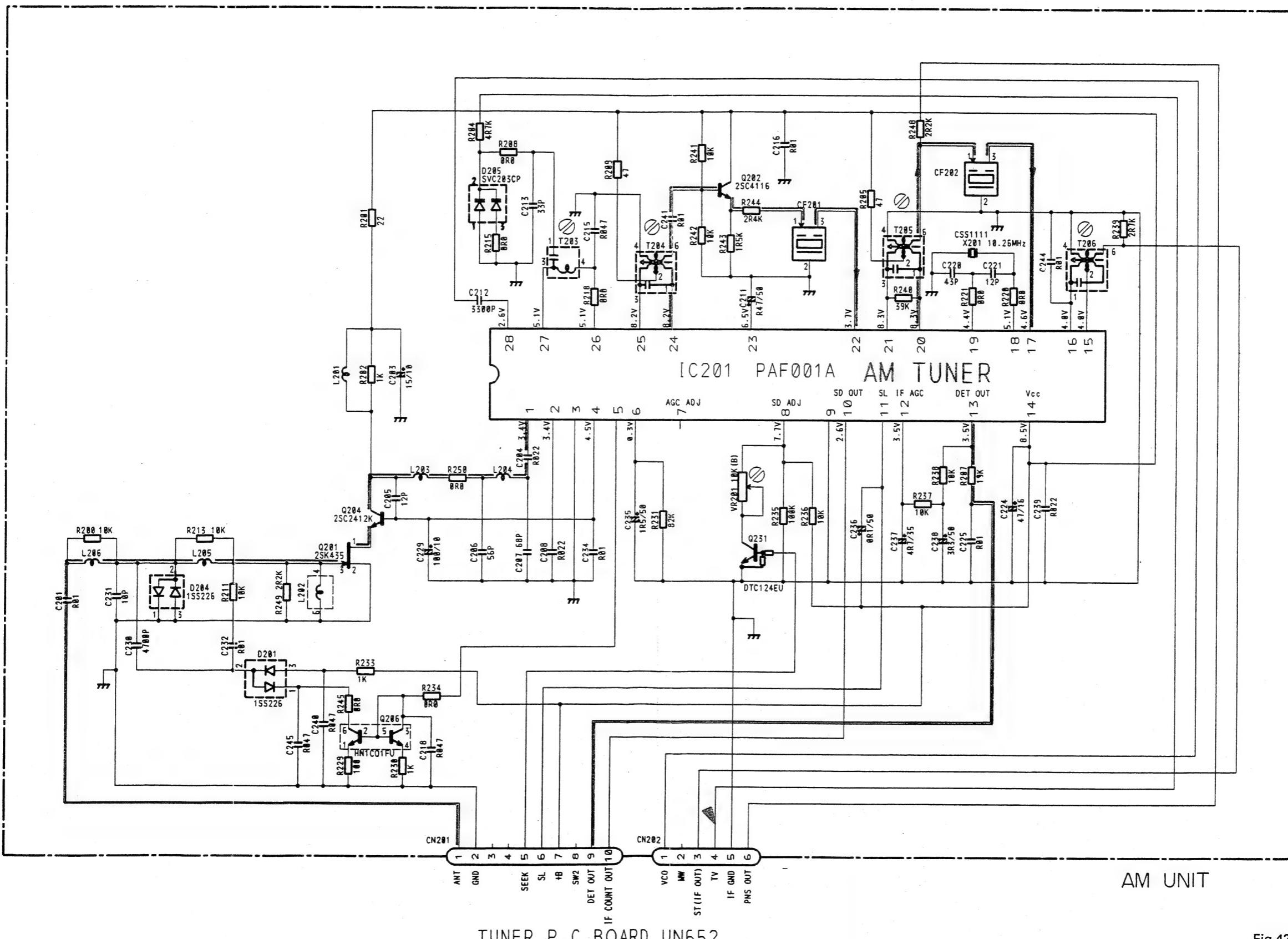
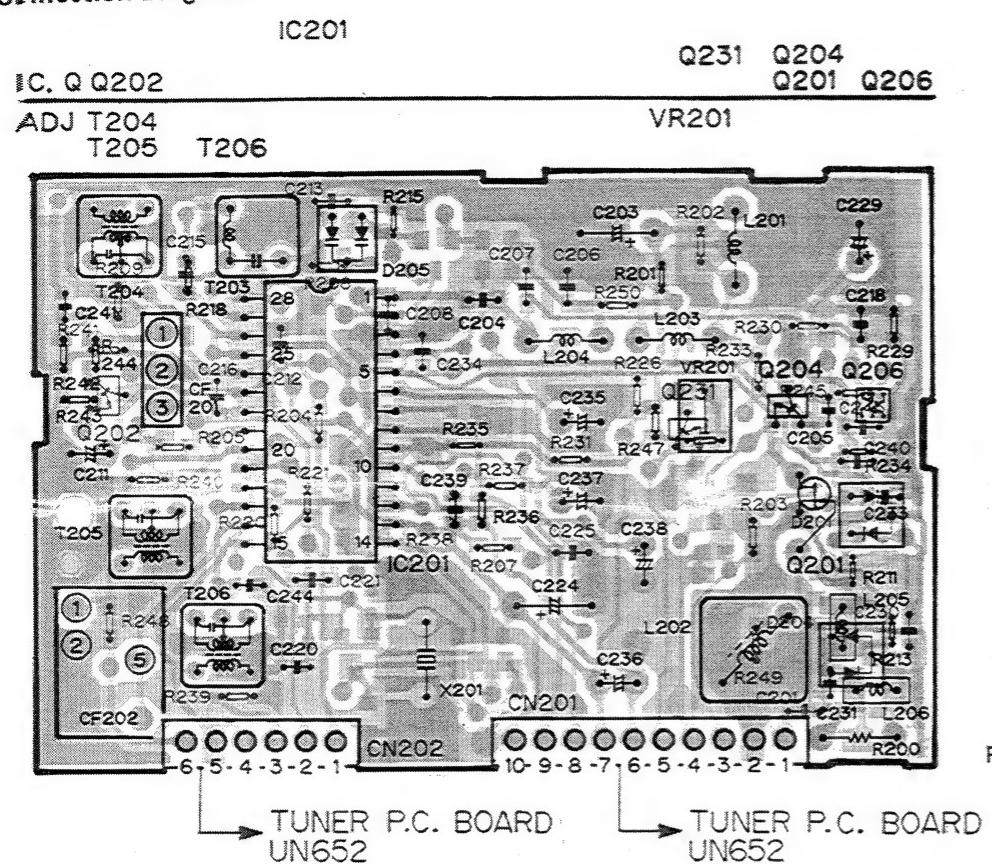


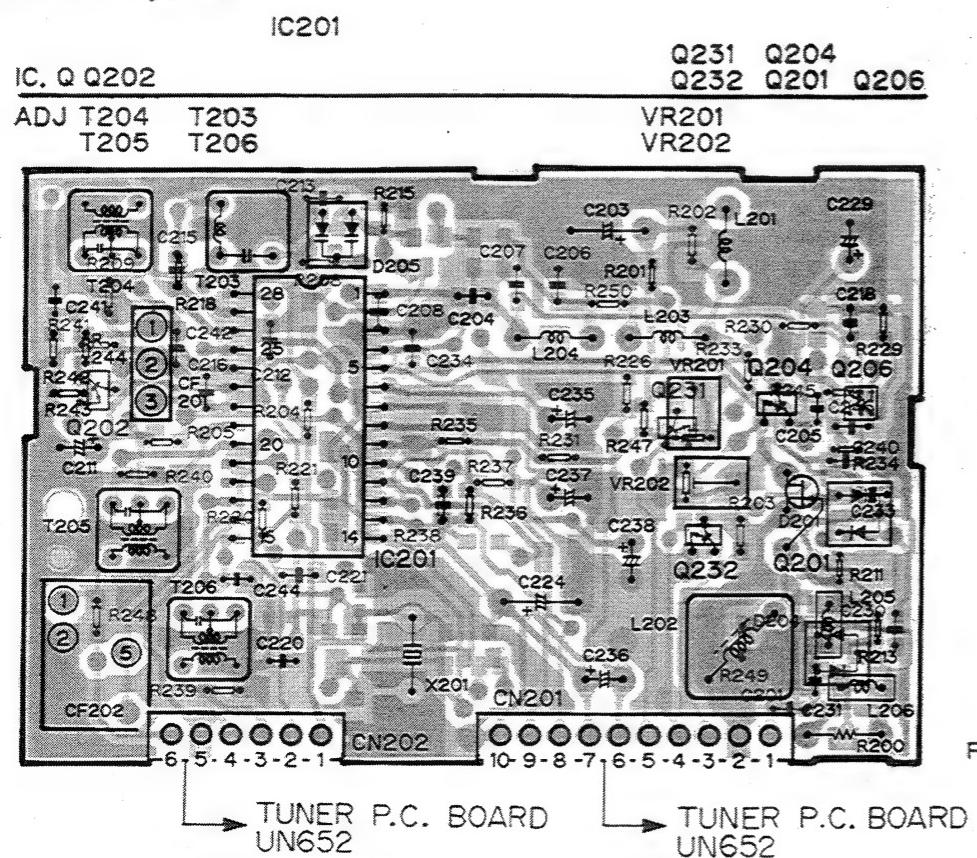
Fig.42

● Connection Diagram

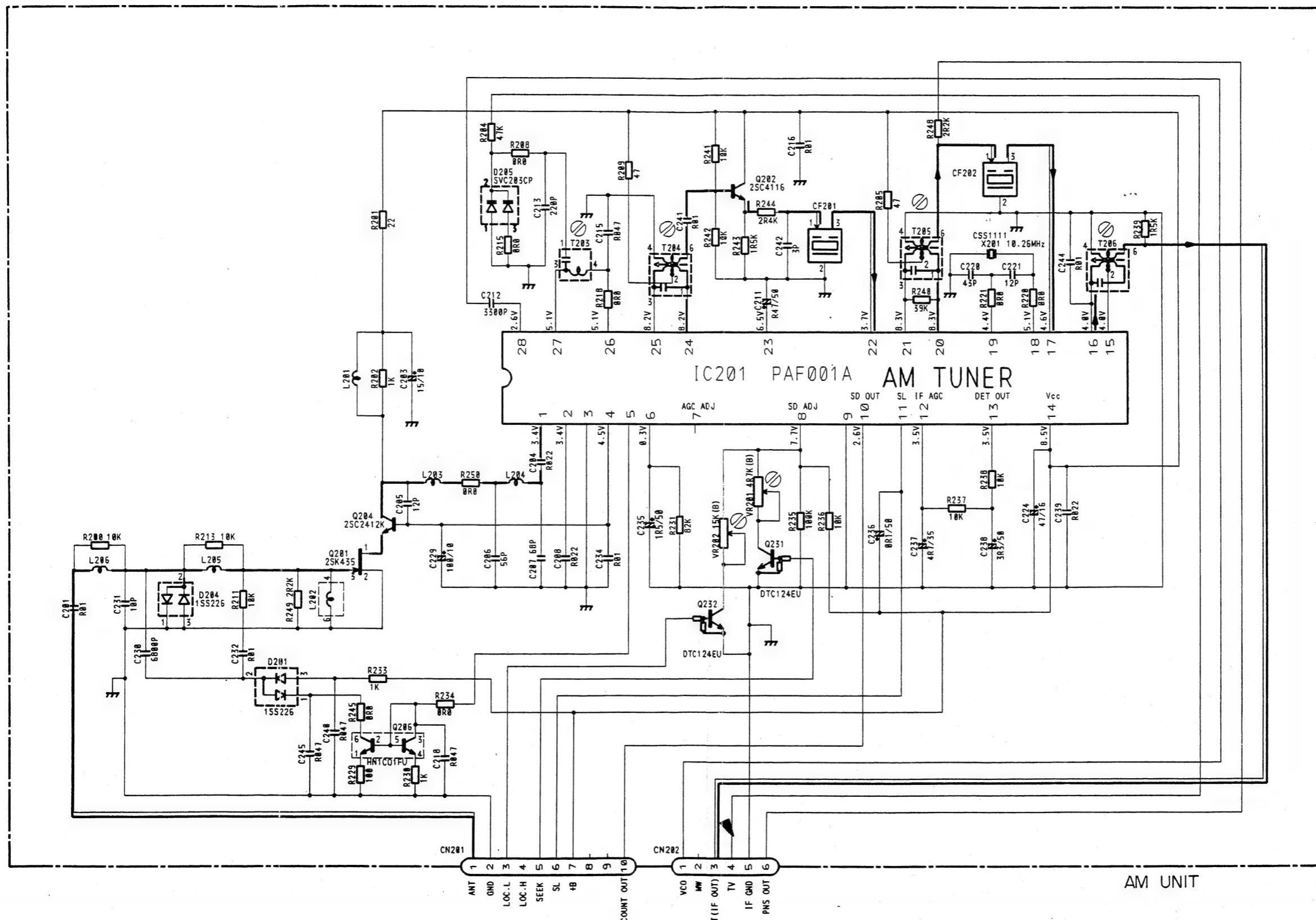


4.19 AM UNIT(KEX-P8256ZT/AU)

● Connection Diagram



● Circuit Diagram



TUNER P.C. BOARD UN652

Fig.45

4.20 AM UNIT(KEX-P8256ZT/ES)

- Circuit Diagram

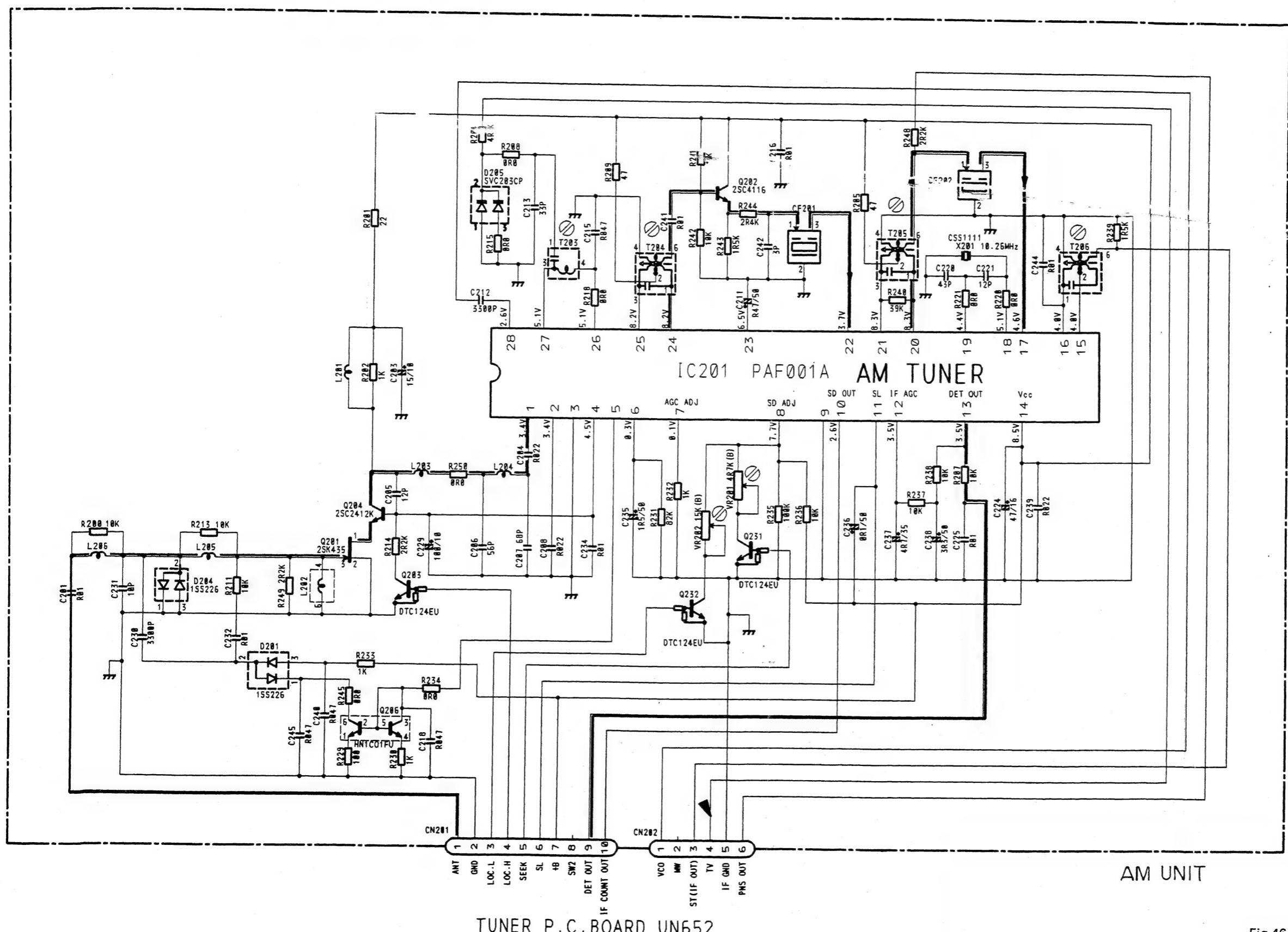
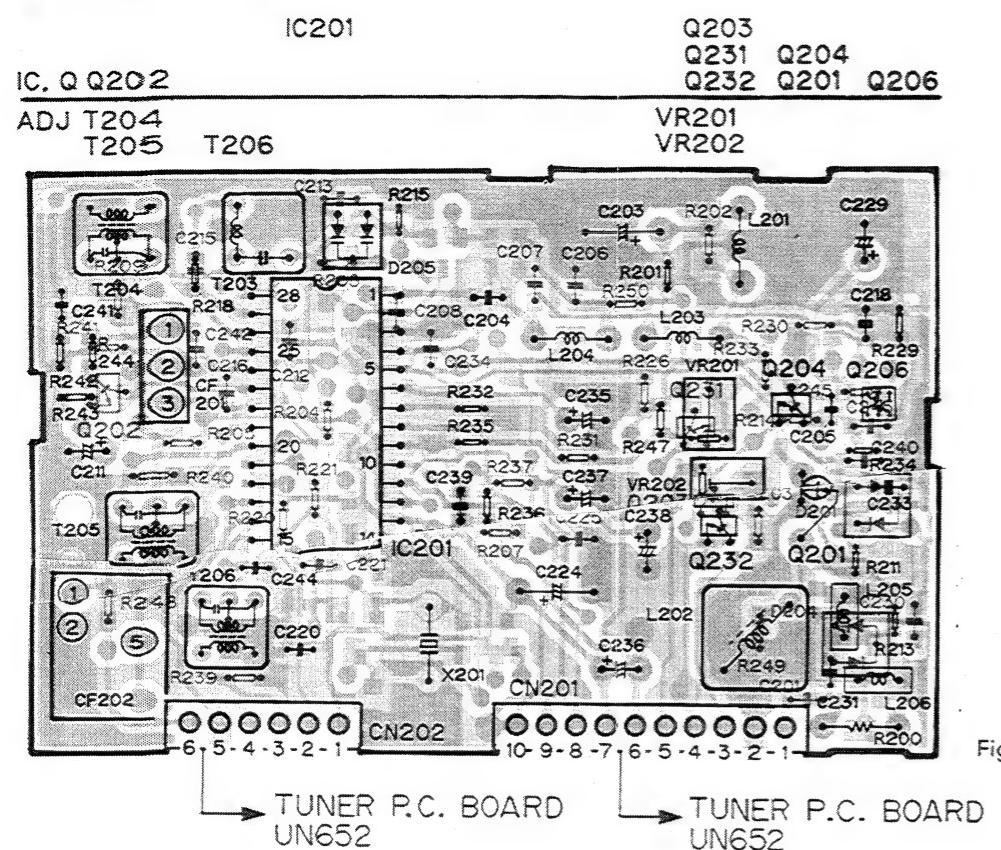


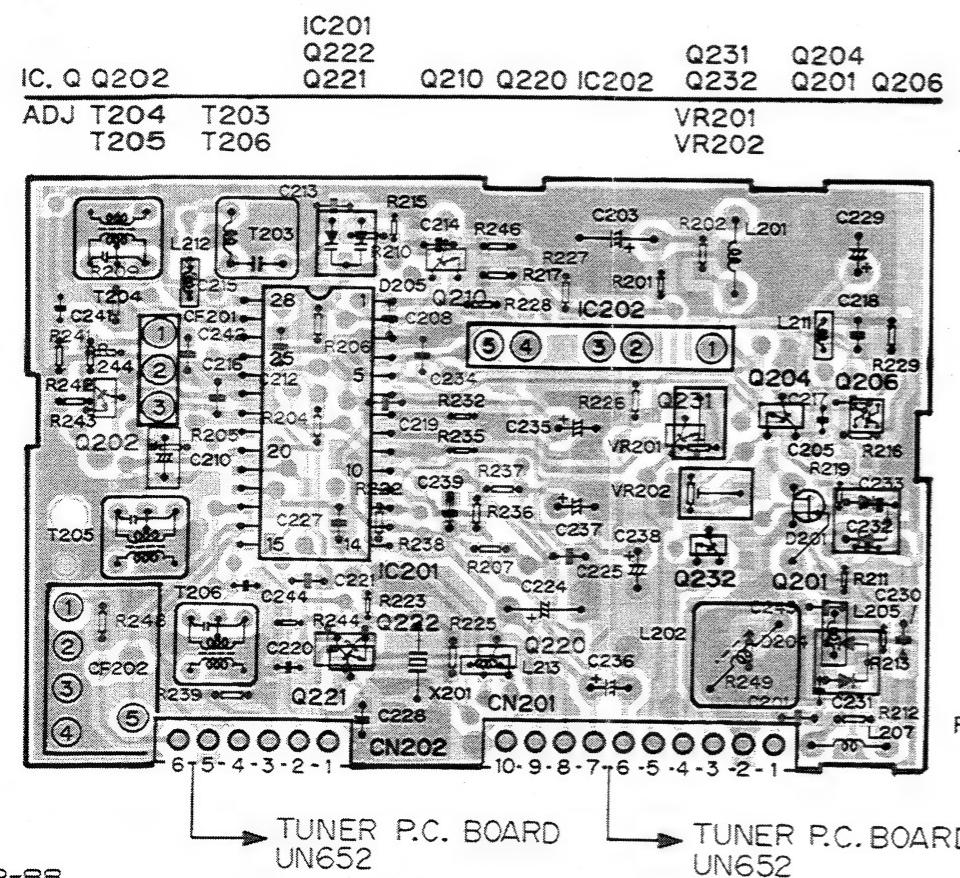
Fig.46

● Connection Diagram



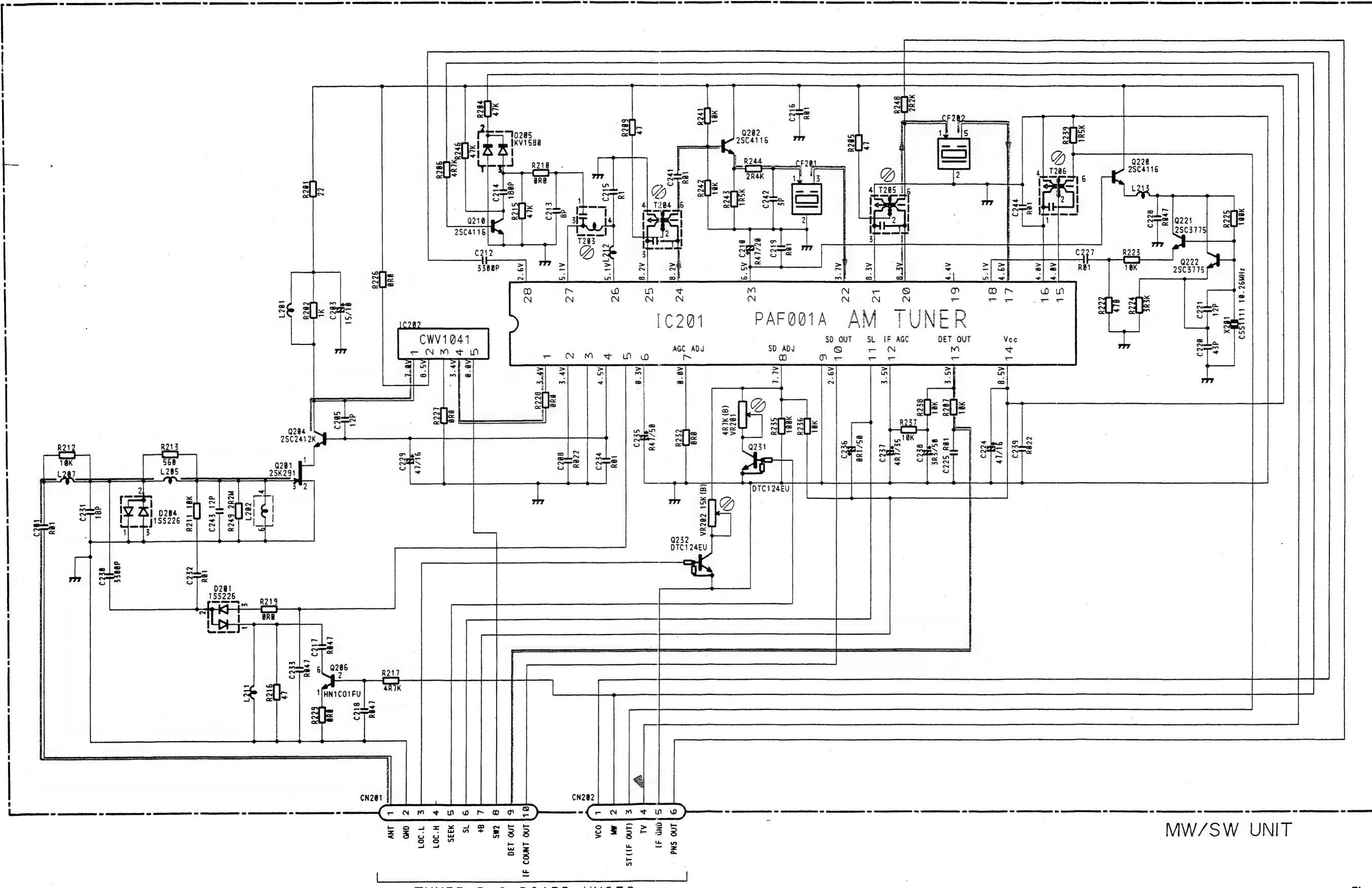
4.21 MW/SW UNIT(KEX-P8156ZT/ES)

● Connection Diagram



● Circuit Diagram

A



4.22 AM STEREO UNIT(KEX-P8256ZT/AU)

● Circuit Diagram

A

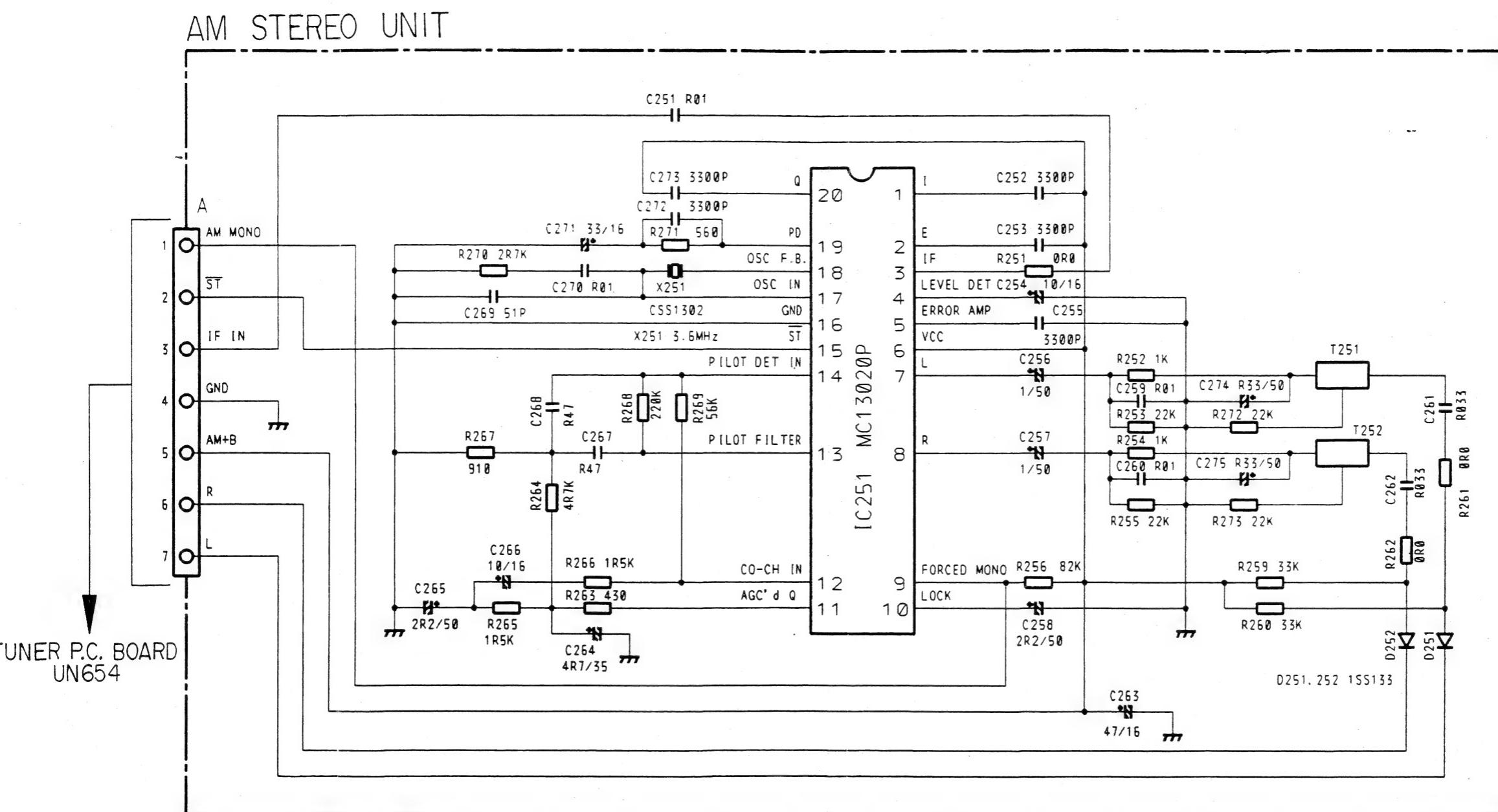


Fig.50

D

A

B

C

D

● Connection Diagram

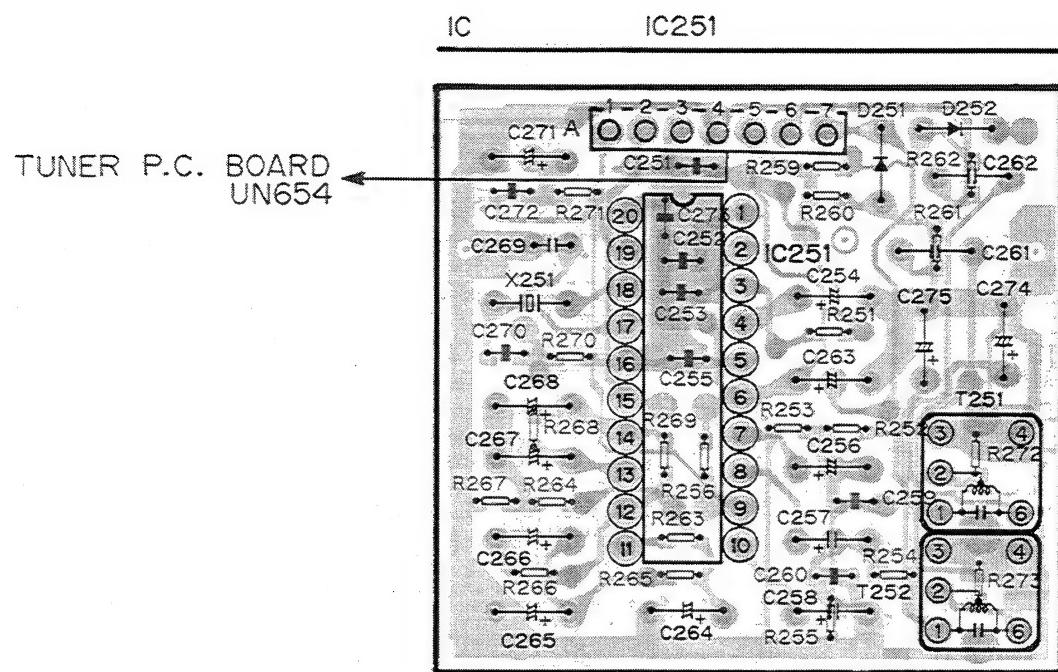


Fig.51

4.23 CASSETTE MECHANISM MODULE(KEX-P8156ZT/UC,ES)

- Connection Diagram

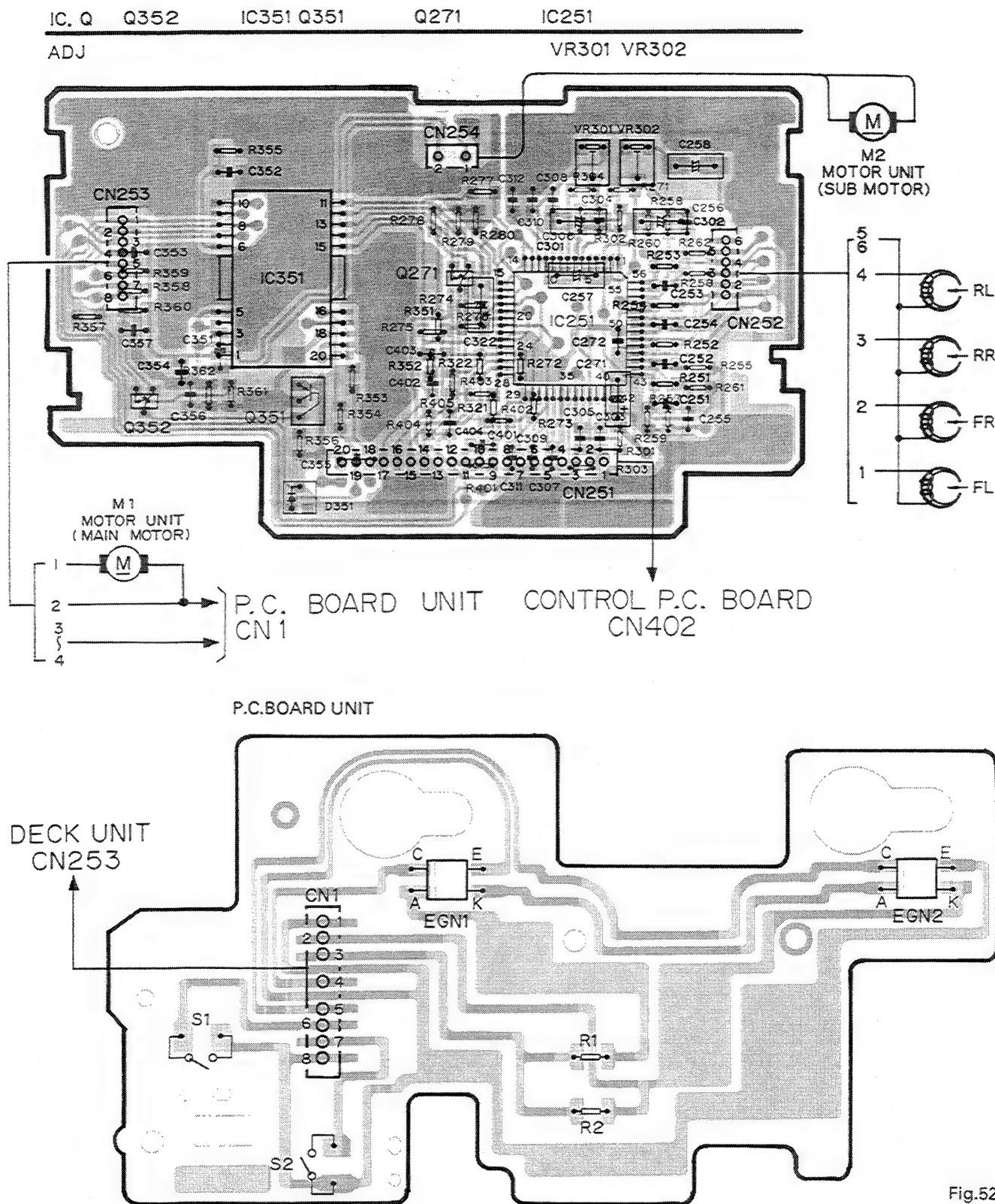


Fig.52

● Circuit Diagram

A

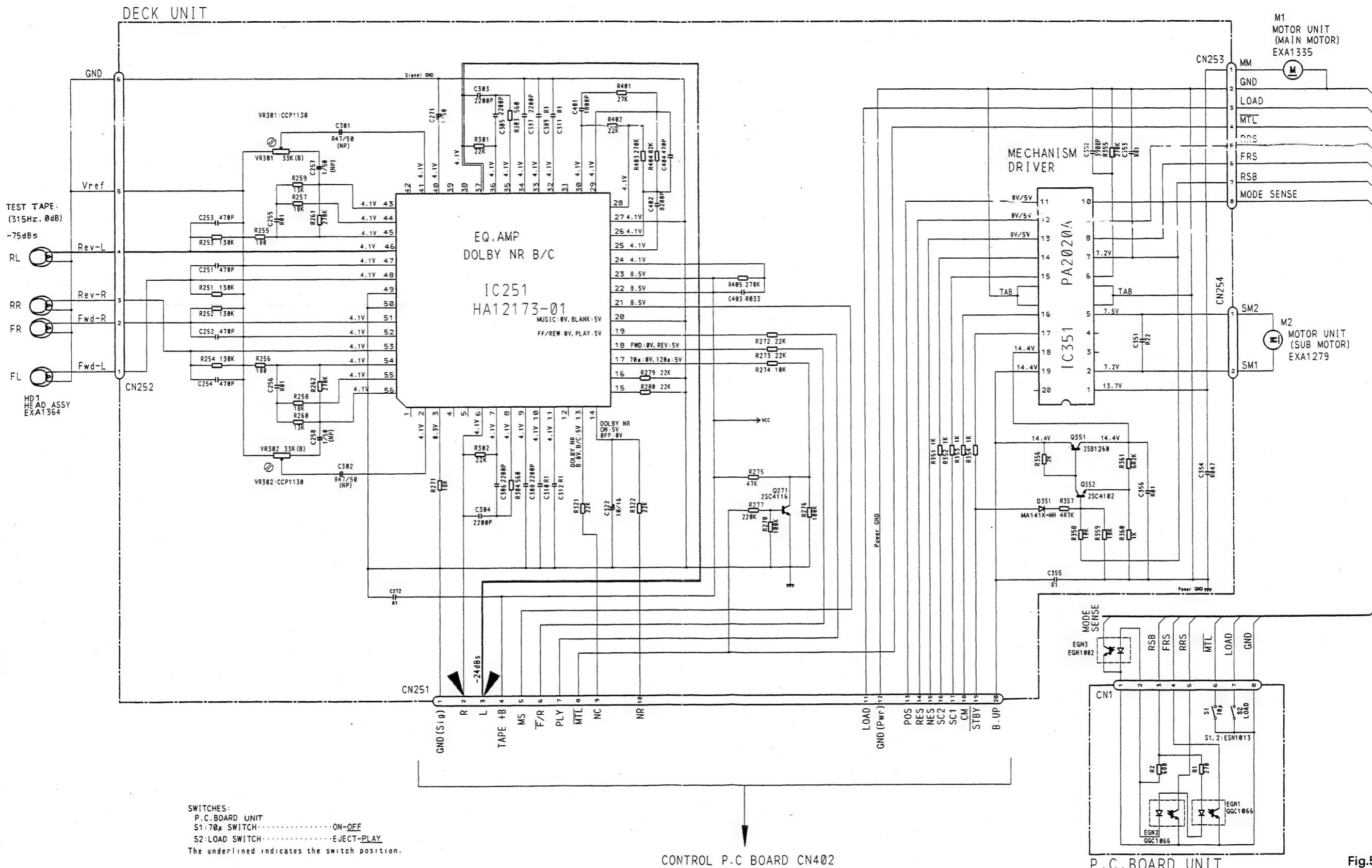


Fig.53

4.24 CASSETTE MECHANISM MODULE (KEX-P8256ZT/EW,AU,ES,KEX-P8156ZT/EW)

● Circuit Diagram

A

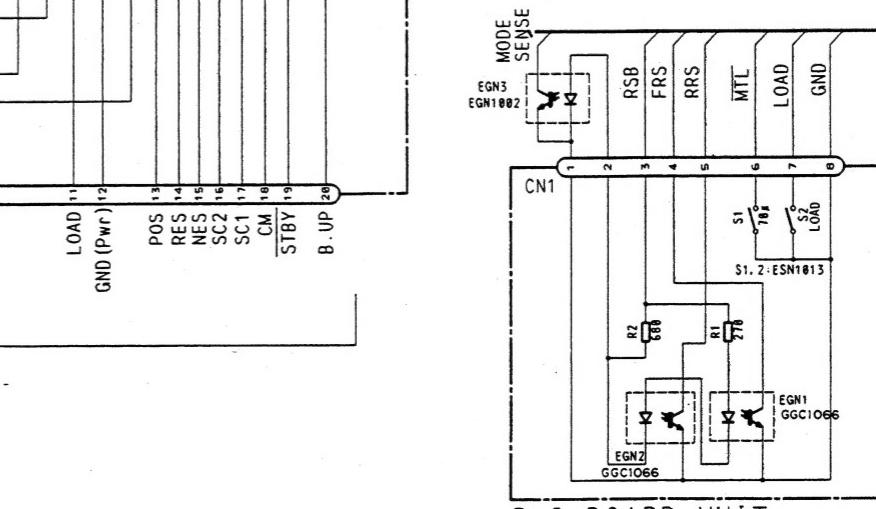
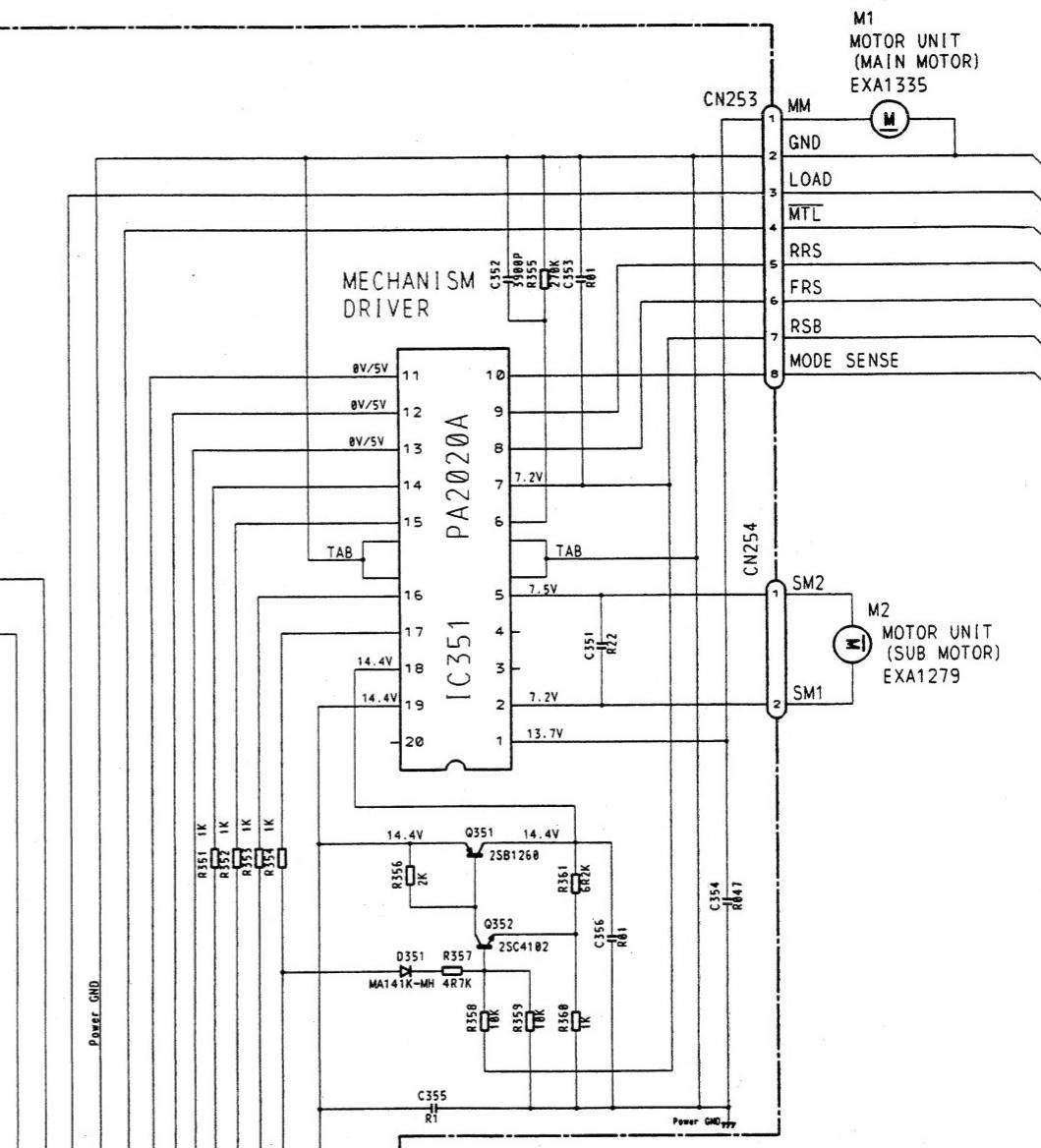
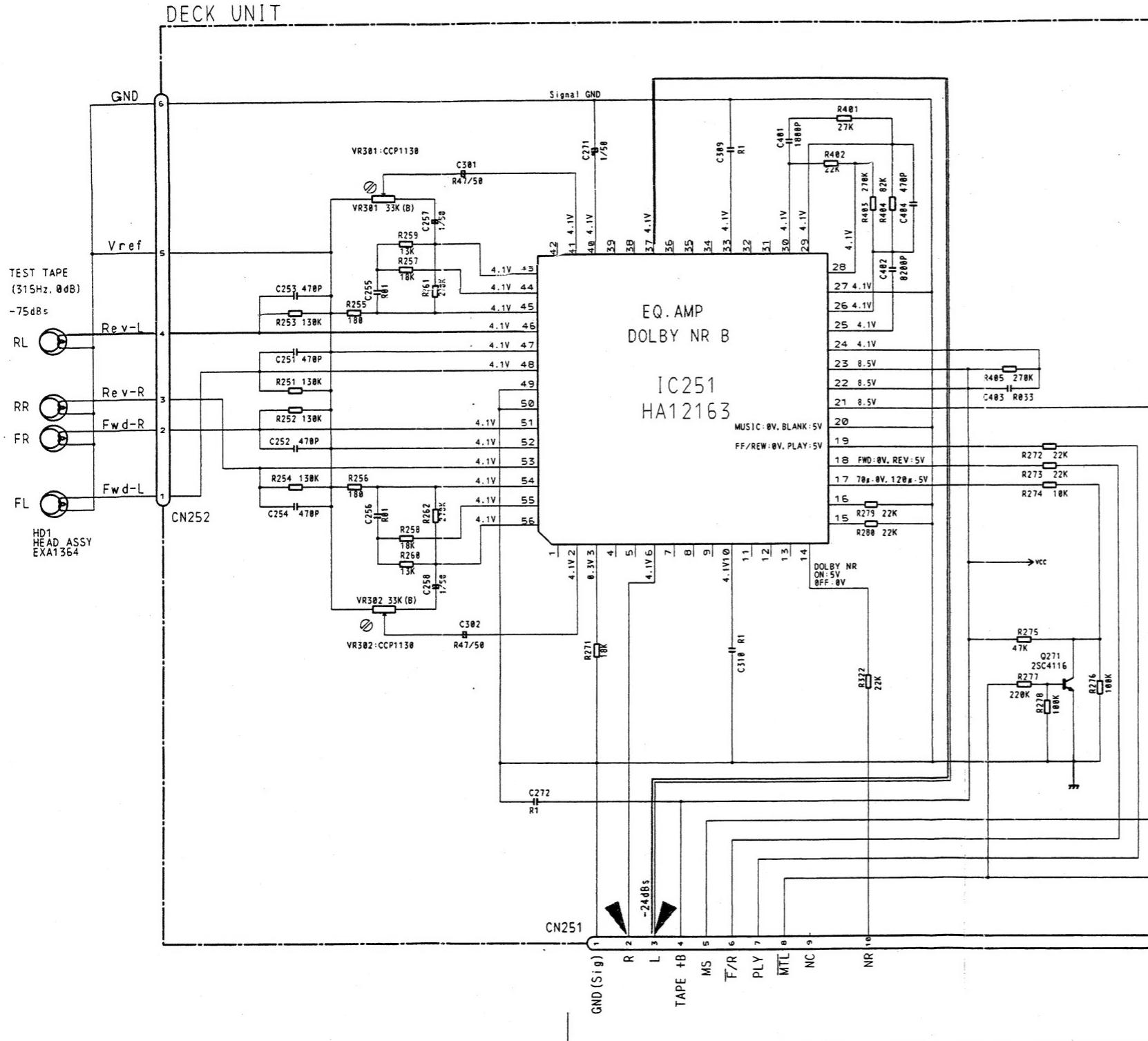


Fig.54

● Connection Diagram

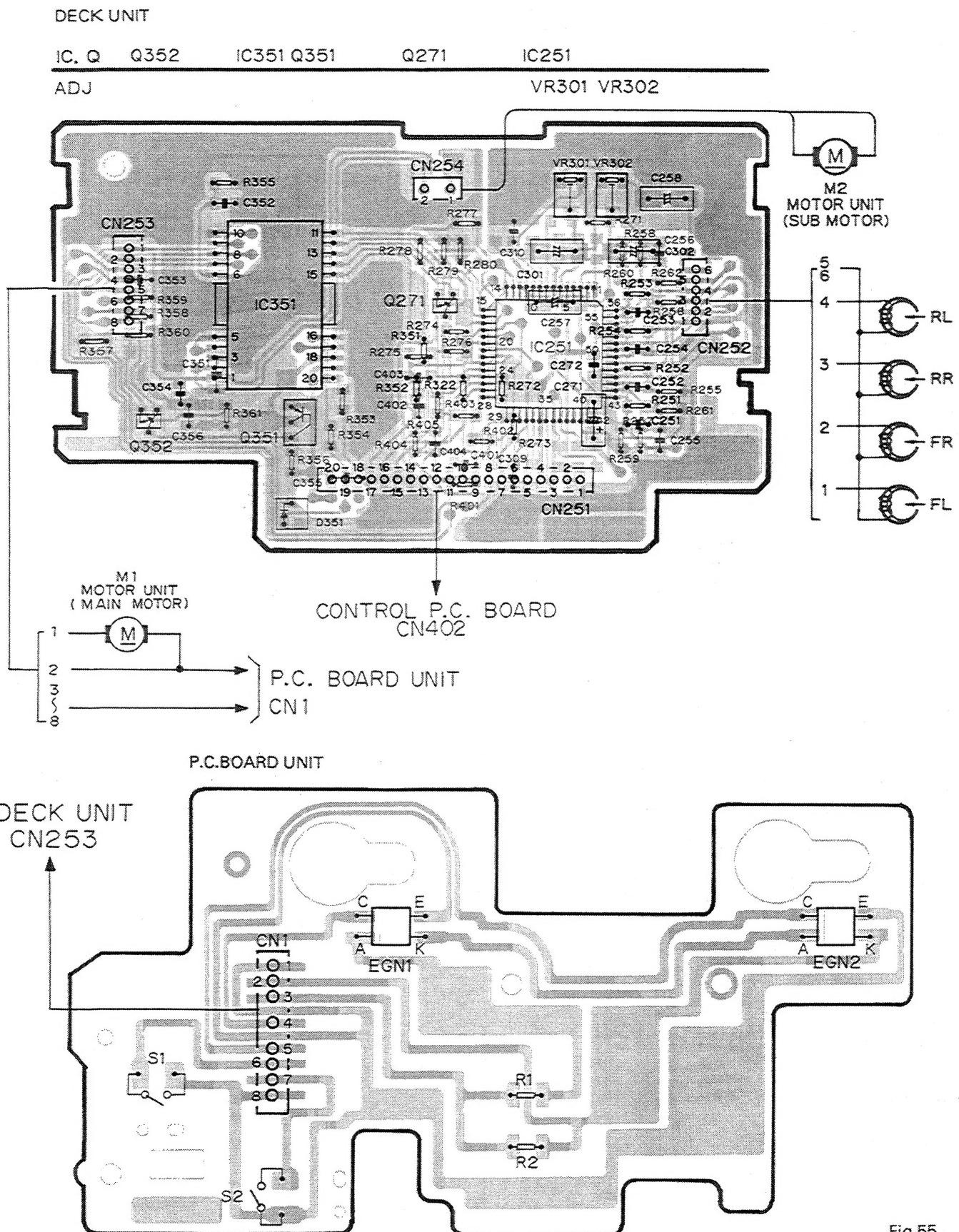


Fig.55

KEX-P8256ZT,P8256ZT-91,P8156ZT,P8156ZT-91

● LCD(CAW1294)
(KEX-P8256ZT/EW,AU,ES)

SEGMENT

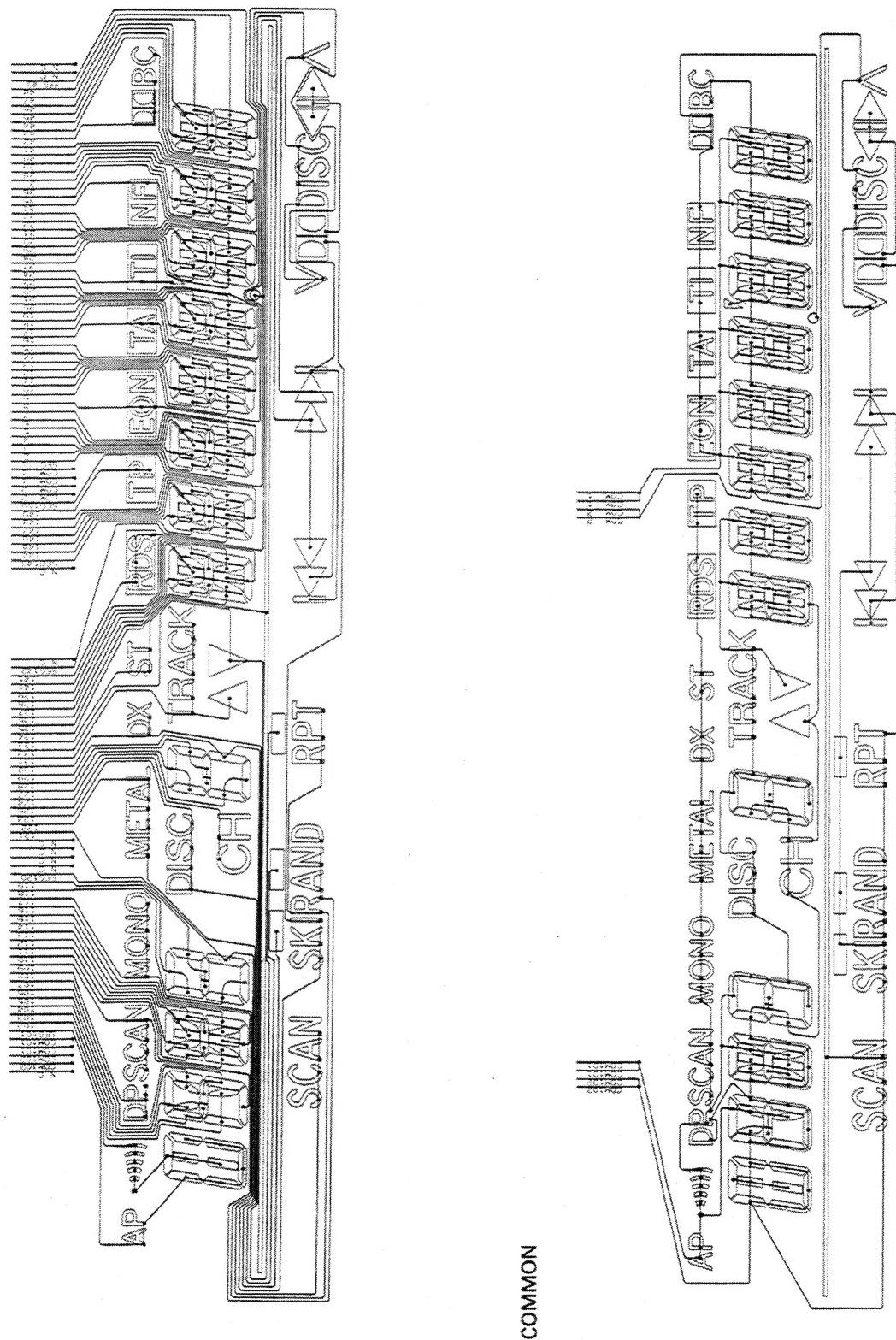


Fig.56

● LCD(CAW1293)
(KEX-P8156ZT/EW,UC,ES)

SEGMENT

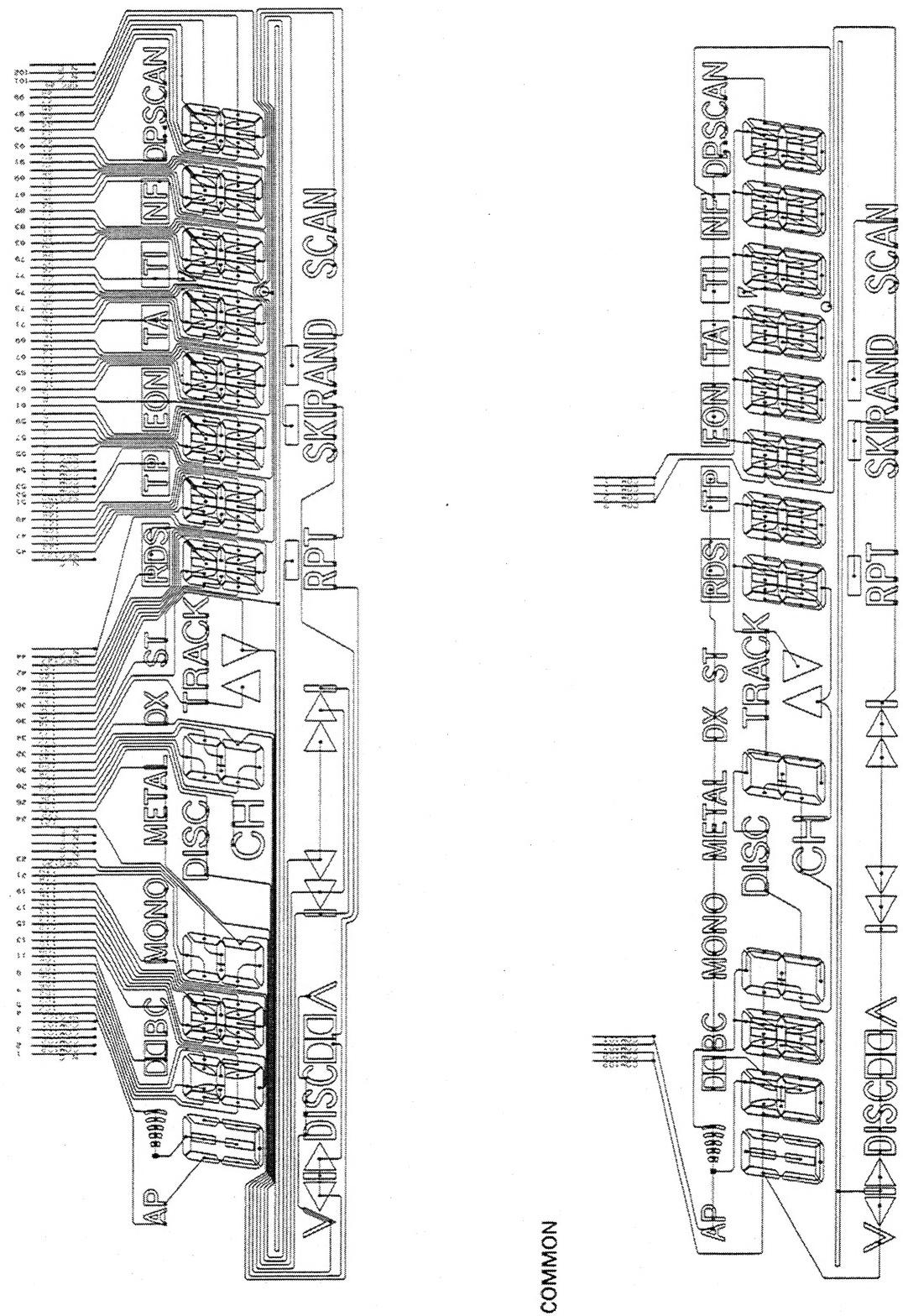


Fig.57